

# AIR QUALITY MONITORING REPORTS 1978

## Volume 5



CA20N  
EV 665

A35  
V.5



Ministry  
of the  
Environment

Hon. Harry C. Parrott, D.D.S.,  
Minister

Graham W. S. Scott,  
Deputy Minister

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# AIR QUALITY MONITORING REPORT

## ONTARIO 1978

### VOL.5



Ontario

Ministry  
of the  
Environment

Hon. Harry C. Parrott, D.D.S.,  
Minister

Graham W. S. Scott,  
Deputy Minister

C O N T E N T S

Station Number	Location	No. of Months	Page
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NITROGEN DIOXIDE

12008	467 University Ave, Windsor	12	1
14049	156 Victoria St., Sarnia	7	8
14064	Centennial Park, Front St./ CN Tracks, Sarnia	4	12
15001	King-Rectory, London	10	15
22071	Experimental Farm, Simcoe	12	21
22086	Cheapside Rd., 3 km S of Hwy 3, Nanticoke	8	28
26029	Edna/Frederick St., Kitchener	12	33
27037	North/Geneva St., St. Catharines	12	40
29008	North Park, Hamilton	12	47
29025	Barton-Wentworth, Hamilton	12	54
31001	67 College St., 5th Flr, Toronto	12	61
31105	Sherbourne/Wilton, Toronto	12	68
33002	Pharmacy-Hwy 401, Scarborough	12	75
33003	Lawrence-Kennedy, Scarborough	12	82
34002	Science Centre, Don Mills, North York	6	89
34007	Bathurst-Wilson, North York	12	93
35003	Elmcrest Rd., Etobicoke	12	100
35033	Evans-Arnold, Etobicoke	12	107
44010	1298 Rebecca St., Oakville	12	114
46110	Queensway West/Hurontario St., Mississauga	12	121
51001	McDonald Gdn., Ottawa	12	128
56051	Memorial Park, Cornwall	12	135
77016	Ash Street, Sudbury	12	142

NITROGEN OXIDES

12008	467 University Ave., Windsor	12	149
14049	156 Victoria St., Sarnia	7	156
14064	Centennial Park, Front St./CN Tracks, Sarnia	5	161
15001	King-Rectory, London	10	164
22071	Experimental Farm, Simcoe	12	170
22086	Cheapside Rd., 3 km S of Hwy 3, Nanticoke	8	177
29008	North Park, Hamilton	12	182
29025	Barton-Wentworth, Hamilton	12	189
31001	67 College St., 5th Flr., Toronto	12	196
31105	Sherbourne/Wilton, Toronto	12	203
33002	Pharmacy-Hwy 401, Scarborough	12	210
33003	Lawrence-Kennedy, Scarborough	12	217
34002	Science Centre, Don Mills, North York	6	225
34007	Bathurst-Wilson, North York	12	229
35003	Elmcrest Rd., Etobicoke	12	236
35033	Evans-Arnold, Etobicoke	12	243
44010	1298 Rebecca St., Oakville	12	250
46110	Queensway West/Hurontario St., Mississauga	12	257
51001	McDonald Gdns, Ottawa	9	264
56051	Memorial Park, Cornwall	12	270
77016	Ash Street, Sudbury	12	277

VOLUME 5 (Cont'd)

<u>Station Number</u>	<u>Location</u>	<u>No. of Months</u>	<u>Page</u>
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NITRIC OXIDE

12008	467 University Ave, Windsor	12	284
14049	156 Victoria St., Sarnia	7	291
14064	Centennial Park, Front St./CN Tracks, Sarnia	5	295
15001	King-Rectory, London	11	299
22071	Experimental Farm, Simcoe	12	305
22086	Cheapside Rd, 3 km S of Hwy 3, Nanticoke	8	312
29008	North Park, Hamilton	12	317
29025	Barton-Wentworth, Hamilton	12	324
31001	67 College St., 5th Flr., Toronto	12	331
31105	Sherbourne/Wilton, Toronto	12	338
33002	Pharmacy-Hwy 401, Scarborough	12	345
33003	Lawrence-Kennedy, Scarborough	12	352
34002	Science Centre, Don Mills, North York	6	358
34007	Bathurst-Wilson, North York	12	362
35003	Elmcrest Rd., Etobicoke	12	369
35033	Evans-Arnold, Etobicoke	12	376
44010	1298 Rebecca St., Oakville	12	383
46110	Queensway West/Hurontario St., Mississauga	12	390
51001	McDonald Gdns, Ottawa	9	397
56051	Memorial Park, Cornwall	12	403
77016	Ash Street, Sudbury	12	410

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR														MONTH - JAN 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	3	3	3	3	2	2	2	2	3	3	4	4	4	4	4	4	4	4	4	4	4	3
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3	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	5	5	6	5	5	5	4	5	5
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5	7	6	6	5	5	5	5	5	5	5	5	5	6	6	6	6	5	5	5	5	5	5	5	6	5
6	6	6	6	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5
7	4	3	4	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4
8	4	4	4	4	4	4	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
9	2	1	1	2	2	2	2	3	4	4	3	3	3	3	3	3	3	3	3	3	3	2	2	2	4
10	2	2	2	2	2	2	3	3	4	4	3	3	3	4	4	4	4	4	4	3	2	2	3	3	3
11	5	5	4	5	5	5	5	5	4	4	4	4	5	5	5	5	5	5	5	5	5	6	7	7	5
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13	5	4	4	4	4	4	4	4	4	4	4	4	5	5	5	6	6	6	6	5	5	4	4	4	5
14	4	3	2	2	2	2	2	2	2	2	3	3	3	3	3	4	4	4	4	4	4	4	4	4	3
15	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	4	4	4
16	4	4	5	5	5	6	5	4	4	4	4	4	4	4	4	5	5	6	6	6	6	6	6	6	5
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18	3	3	2	2	2	3	4	5	5	5	4	4	4	4	4	5	5	5	5	5	5	5	5	5	4
19	5	5	5	5	5	4	4	4	5	5	6	6	6	6	5	5	5	5	5	5	5	5	5	5	4
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23	7	7	6	5	5	5	6	6	5	5	6	6	6	6	6	8	9	9	8	8	7	7	7	7	7
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26	4	4	3	4	3	4	4	4	4	4	4	4	4	4	4	5	4	3	3	3	2	2	2	2	3
27	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	3	3	3	3	4
28	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	4	3	3	3	3	4
29	3	3	3	3	2	2	2	2	1	2	2	2	2	3	3	3	3	3	4	5	5	5	5	5	3
30	4	2	1	2	1	1	3	5	4	4	4	4	5	5	6	6	6	6	6	6	7	7	7	6	5
31	7	6	6	6	6	6	5	6	6	6	6	6	4	4	5	5	5	6	6	6	6	6	6	7	6
MEAN	5	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	4.5

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR														MONTH - FEB 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	8	7	7	7	6	6	6	5	5	6	7	8	8	7	6	6	6	6	6	6	6	5	5	6	6
2	6	6	6	6	6	6	6	7	6	6	9	9	8	6	6	6	6	6	6	6	6	6	6	6	6
3	5	5	4	4	4	4	4	5	5	8	8	7	6	5	6	6	6	6	6	5	5	6	6	6	6
4	6	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	6	6	6	6	5	5
5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
6	4	3	2	2	3	4	4	4	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4
7	4	3	3	3	3	3	4	4	4	5	5	4	4	4	5	5	5	5	5	4	4	4	4	5	4
8	5	5	5	5	6	6	5	6	6	6	7	8	9	8	9	9	9	8	7	6	5	5	5	5	6
9	5	4	4	4	4	5	5	5	5	6	6	7	8	6	6	7	6	7	6	6	6	7	8	8	6
10	8	7	7	6	6	6	5	6	6	8	8	8	8	8	6	6	5	6	6	7	7	7	6	7	6
11	6	6	6	6	6	6	6	6	6	6	8	7	7	6	5	5	5	5	6	7	7	7	5	5	6
12	5	4	4	4	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	5	5	4	5	4
13	5	6	6	5	6	7	6	5	5	5	5	5	5	5	5	5	5	5	4	4	2	2	3	3	5
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16	5	5	5	5	5	5	5	5	5	5	5	4	5	4	3	3	3	3	6	7	7	6	6	5	5
17	6	6	6	7	6	6	7	7	7	6	5	5	6	6	6	6	6	7	7	8	7	7	7	7	6
18	7	6	7	7	6	6	7	7	7	7	7	8	8	7	7	7	7	7	6	6	6	6	7	7	7
19	8	7	6	5	5	5	5	5	5	5	5	6	5	5	5	5	4	4	5	6	6	7	8	8	6
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22	4	5	5	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	8	8	5	
23	7	7	8	7	7	6	6	6	6	6	7	8	9	8	7	7	9	10	9	9	9	8	7	7	7
24	7	6	6	6	6	6	6	7	6	5	6	6	5	6	6	5	6	6	5	4	4	4	4	6	6
25	7	6	5	5	4	5	5	5	5	5	3	3	3	3	3	3	3	3	3	4	5	5	4	4	4
26	5	5	6	5	5	5	5	4	3	3	3	2	3	3	3	3	3	3	3	5	5	5	5	5	5
27	4	4	4	4	4	5	5	5	5	5	4	4	5	4	4	4	5	5	5	5	5	5	5	4	4
28	6	7	6	6	6	5	5	6	6	5	4	4	8	8	8	8	8	8	8	8	9	9	9	6	7
MEAN	6	6	5	5	5	5	5	5	5	6	6	6	6	5	5	5	6	6	6	6	6	6	6	6	5.5

PERCENTAGE OF DATA VALID - 98.7

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION										
		STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR														MONTH - MAR 78										
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		4	4	4	3	3	4	4	5	5	5	5	6	6	6	5	5	5	5	6	6	5	6	7	7	5
2		8	7	7	6	6	6	7	9	9	10	8	5	3	4	6	5	6	6	6	6	6	6	6	6	7
3		5	4	3	4	4	4	5	5	6	7	7	7	***	5	5	6	6	6	7	8	9	8	7	6	6
4		5	5	3	3	2	2	3	3	3	3	3	3	3	4	3	4	4	4	5	5	4	3	2	2	3
5		3	3	4	4	4	4	4	5	5	5	5	6	5	5	5	4	6	7	7	6	6	7	7	8	5
6		7	7	6	6	6	7	7	6	7	7	6	5	5	7	9	10	10	8	7	8	9	11	9	9	7
7		9	10	11	10	10	9	9	2	***	10	8	6	4	5	5	5	5	5	5	6	6	6	6	5	7
8		6	5	5	5	4	4	5	5	6	6	5	5	6	6	8	9	7	7	7	8	7	7	7	7	6
9		6	7	7	7	8	8	8	9	8	6	9	12	10	11	10	9	10	11	13	11	9	10	12	9	9
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11		11	11	10	11	8	11	10	8	8	8	6	7	8	9	8	8	9	8	10	9	****	****	6	7	9
12		10	12	13	12	10	8	5	4	4	4	4	4	5	5	5	5	5	5	6	7	7	8	8	9	7
13		8	9	8	8	7	7	6	7	7	6	5	6	4	4	3	4	6	8	7	6	6	5	6	6	6
14		7	6	3	3	2	3	5	6	5	5	5	5	4	4	6	6	6	6	6	5	5	5	5	5	5
15		4	4	5	4	4	5	5	6	7	7	5	5	4	4	5	5	6	6	6	6	6	5	5	5	5
16		6	5	5	5	4	5	5	5	5	6	5	5	5	5	5	6	6	5	6	6	6	6	6	6	5
17		5	5	5	5	6	5	5	5	6	***	5	5	5	5	5	5	6	6	6	6	6	6	6	6	5
18		5	5	5	5	5	6	6	7	6	6	5	4	3	3	3	3	4	3	2	3	3	2	3	4	4
19		6	5	5	4	3	3	4	4	3	3	3	3	3	3	3	3	3	4	5	6	7	7	7	7	4
20		7	6	7	5	3	3	3	3	3	3	4	4	4	4	4	4	6	7	5	5	6	5	4	3	5
21		4	5	5	4	4	5	5	5	4	4	5	5	5	5	4	5	5	5	5	5	5	4	5	5	5
22		4	5	5	5	4	4	4	4	4	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	5
23		5	5	5	5	5	5	5	5	6	7	7	6	5	5	5	5	5	5	5	5	6	6	4	2	5
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25		2	2	3	3	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	2	3	2	3
26		2	2	2	2	2	2	2	2	2	2	3	4	4	4	4	4	4	4	4	4	4	4	4	4	3
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28		6	4	5	4	4	4	4	4	4	4	5	5	5	5	5	6	6	6	6	6	5	5	5	6	5
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30		5	5	5	5	5	5	6	7	7	7	5	5	5	4	5	5	5	5	5	5	6	5	5	4	5
31		4	4	4	4	4	4	5	5	5	5	***	3	3	4	4	5	6	6	6	6	7	7	7	7	5
MEAN		6	6	6	5	5	5	5	5	5	6	5	5	5	5	5	5	6	6	6	6	6	6	6	6	5.4

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																											
POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION													
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR														MONTH - APR 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	6	7	7	6	5	5	6	6	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	2	4		
2	2	2	2	2	1	1	1	1	1	2	3	2	1	2	3	3	2	2	3	3	3	2	3	3	2		
3	2	2	2	2	2	2	2	2	3	3	3	3	3	4	4	5	5	6	6	6	6	6	6	6	6		
4	-	-	-	-	-	-	-	-	-	****	5	6	6	6	6	6	6	6	6	6	5	4	3	3	****		
5	3	2	2	2	3	5	5	5	5	5	5	5	5	4	4	5	5	5	5	5	5	5	6	6	4		
6	5	5	3	2	1	1	3	4	5	5	5	4	4	4	4	4	4	4	5	4	5	5	5	5	4		
7	4	3	2	3	4	5	5	5	5	5	5	4	4	4	4	4	4	4	4	5	4	5	5	5	4		
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10	2	2	2	2	2	3	3	4	4	5	4	4	4	4	4	4	4	5	6	7	8	7	6	4	4		
11	4	3	3	3	3	3	4	4	4	3	3	3	3	4	4	4	5	4	5	4	5	5	5	5	4		
12	4	3	3	3	5	4	4	4	3	3	4	3	3	2	2	3	4	4	5	6	6	5	5	6	4		
13	5	4	3	3	2	2	2	3	2	2	2	3	3	3	3	3	3	3	3	3	4	5	5	6	3		
14	6	6	6	****	****	****	****	****	****	****	3	3	3	3	3	4	4	4	4	5	5	4	4	4	4		
15	5	5	5	4	3	5	5	4	3	3	2	2	3	3	3	3	3	3	3	3	4	4	4	4	4		
16	3	4	4	4	4	5	5	6	5	4	5	5	5	4	4	4	4	3	3	4	4	5	5	5	4		
17	5	5	4	4	5	5	5	6	6	5	5	4	4	5	5	5	5	4	4	5	5	5	5	5	4		
18	2	2	2	1	1	2	2	3	3	4	4	4	4	4	5	5	5	5	4	5	4	5	5	5	4		
19	4	4	3	3	3	3	4	4	4	4	4	4	4	4	5	6	7	7	8	6	5	6	6	4	4		
20	5	4	4	4	3	3	4	4	****	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4		
21	3	3	2	2	2	3	4	4	4	4	4	4	4	4	4	4	4	5	4	4	5	5	5	6	4		
22	6	6	6	6	6	5	6	6	5	6	6	6	6	6	6	6	6	5	5	4	5	5	5	5	6		
23	5	6	6	5	5	5	5	5	3	3	3	3	2	2	2	3	4	3	3	3	3	3	3	3	4		
24	3	3	4	4	4	4	3	3	5	6	7	8	8	6	6	6	5	6	6	6	8	7	6	6	5		
25	5	5	5	4	4	4	5	6	4	4	4	4	3	3	3	3	3	3	3	4	4	4	5	5	4		
26	5	5	5	4	4	4	4	5	4	****	3	6	3	4	4	4	4	4	4	3	4	4	4	4	4		
27	4	3	2	2	2	3	5	6	6	5	3	3	3	3	3	4	4	4	5	5	6	6	6	6	4		
28	6	6	6	6	6	6	6	6	6	6	5	4	3	4	****	4	4	5	5	7	6	7	7	7	6		
29	7	7	7	7	7	7	7	7	8	7	5	4	4	4	4	5	5	4	3	3	3	3	3	2	5		
30	2	3	3	3	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	3	4	3	3	2		
MEAN	4	4	4	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	4	4	4	4.0		

PERCENTAGE OF DATA VALID - 96.4 PERCENTAGE OF DATA INVALID - 1.7 PERCENTAGE OF DATA UNAVAILABLE - 1.9

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR														MONTH - MAY 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	3	5	5	4	4	4	3	3	4	4	4	4	4	3	3	4	4	5	6	4
2	6	6	5	4	3	4	5	5	5	5	4	4	4	4	4	4	4	4	4	7	7	6	6	6	5
3	6	7	7	7	7	7	8	***	10	8	9	8	6	5	5	4	3	4	4	3	4	5	5	6	6
4	3	3	2	2	2	2	2	3	4	3	3	3	3	3	3	4	4	3	4	4	3	4	5	6	6
5	2	2	2	2	2	3	4	4	4	***	5	4	5	5	5	5	5	5	5	5	3	3	3	3	3
6	5	5	4	4	3	3	3	4	4	4	4	5	4	5	5	6	6	5	5	6	6	5	5	5	4
7	6	6	6	6	6	6	6	7	6	3	3	3	3	3	3	2	2	3	2	2	3	3	2	2	4
8	3	2	2	2	2	3	5	5	4	3	3	3	4	3	4	4	4	4	4	5	6	6	6	6	4
9	6	6	6	6	5	5	6	5	4	4	3	4	5	5	4	4	4	4	3	3	5	4	4	4	5
10	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	5	4	5	6	6	5	4
11	6	6	5	5	5	4	4	4	4	4	5	5	5	4	4	5	5	6	6	7	6	6	5	4	5
12	3	4	4	3	3	3	4	5	4	3	4	***	3	3	3	3	3	3	3	3	3	3	3	3	3
13	3	2	2	2	2	3	3	2	2	3	3	3	2	3	2	3	3	3	3	4	4	4	4	4	3
14	4	4	3	3	2	2	2	2	2	2	3	3	3	3	3	3	3	4	4	4	5	6	5	4	3
15	2	2	2	2	3	3	4	5	6	6	5	5	6	6	6	6	6	7	6	5	4	4	5	4	5
16	5	4	4	2	***	***	4	4	4	***	4	5	4	5	***	***	5	4	4	4	4	5	5	5	4
17	5	5	4	5	5	5	5	6	7	5	5	5	4	5	5	6	6	5	5	5	6	6	6	5	5
18	5	5	5	5	5	4	4	5	7	8	7	8	9	8	8	7	6	6	6	4	5	4	6	8	6
19	7	7	7	6	6	6	6	7	7	7	5	5	5	5	5	5	5	4	4	7	8	9	10	10	6
20	10	10	9	8	6	7	6	7	7	6	5	4	5	4	6	5	7	6	6	6	6	6	6	4	6
21	4	3	2	2	1	2	1	2	2	2	2	2	3	3	3	3	3	3	4	4	4	3	4	4	3
22	3	4	4	4	4	5	5	4	5	4	2	2	3	4	3	2	3	3	4	4	4	4	5	5	4
23	4	5	4	5	5	5	5	5	***	6	7	6	7	6	3	3	4	4	4	4	4	4	4	6	5
24	6	6	4	4	6	6	6	7	8	7	6	5	4	4	4	4	4	5	5	5	6	9	7	6	6
25	7	9	10	10	9	9	10	16	21	17	6	5	4	4	4	4	4	5	5	5	6	9	7	6	8
26	8	10	9	7	7	8	12	14	14	9	7	6	4	5	6	6	4	4	4	5	5	6	7	6	8
27	8	9	11	11	9	8	9	9	11	13	9	5	3	3	3	3	4	3	3	3	4	6	11	10	7
28	10	10	10	9	9	10	8	6	4	4	4	4	2	2	2	2	2	2	3	3	4	4	4	4	5
29	3	3	5	4	5	6	7	6	6	6	3	3	3	3	2	2	2	2	2	3	3	4	3	2	4
30	3	3	3	3	4	5	5	6	***	6	6	5	4	5	4	4	7	7	6	5	4	4	3	4	5
31	4	7	6	6	5	6	5	6	***	-	-	-	***	-	-	-	-	-	-	-	-	-	-	-	-
MEAN	5	5	5	5	5	5	5	6	6	6	5	4	4	4	4	4	4	4	4	5	5	5	5	5	4.8

PERCENTAGE OF DATA VALID - 97.8

PERCENTAGE OF DATA INVALID - 1.7

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR															MONTH - JUN 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	5	5	3	3	4	4	4	4	4	4	4	5	7	6	6	5	4	4	5	7	8	8	7	5
2	6	7	7	5	6	6	6	6	6	6	5	5	4	***	6	6	5	5	5	5	5	6	6	6	6
3	4	3	2	2	2	2	3	3	4	4	4	4	3	3	3	3	3	3	3	3	4	4	6	6	3
4	7	6	6	6	6	6	6	7	6	5	4	4	3	3	2	2	3	3	3	3	4	4	6	6	3
5	2	4	2	2	3	4	4	5	5	5	4	4	4	4	4	5	5	4	4	4	3	3	5	4	5
6	4	3	2	2	3	4	4	4	3	3	5	7	6	5	3	3	2	2	2	3	4	3	3	3	4
7	2	4	3	5	5	4	5	5	6	6	6	6	5	4	3	3	4	4	4	4	3	3	3	2	3
8	5	4	3	4	5	4	6	6	7	8	4	3	3	3	3	4	4	4	4	4	3	3	3	4	4
9	4	4	4	4	4	4	4	6	6	8	7	5	***	3	3	4	4	4	4	4	4	4	4	4	4
10	5	5	5	4	4	4	5	5	4	5	4	4	3	3	3	3	3	2	2	3	5	5	5	5	5
11	3	2	2	3	3	4	4	4	4	3	3	2	3	3	3	3	3	2	2	3	4	4	4	4	3
12	3	3	4	3	3	4	4	5	5	4	4	4	4	4	6	8	6	5	4	3	4	3	3	2	4
13	2	2	2	1	2	2	3	3	3	4	4	4	3	3	4	4	5	4	4	4	4	3	3	4	3
14	4	4	4	4	4	4	5	5	5	4	3	3	2	2	3	3	3	3	3	3	3	4	4	5	4
15	4	3	5	4	4	5	5	6	6	5	4	3	3	3	3	3	3	3	3	4	4	4	4	3	4
16	3	2	3	3	3	3	4	5	5	4	4	5	5	5	4	6	5	4	5	5	6	5	5	4	4
17	4	4	4	4	4	4	4	4	4	4	3	4	4	3	4	4	3	4	4	4	5	5	4	3	4
18	2	3	3	3	3	3	4	4	3	3	3	3	3	3	3	3	3	4	4	5	5	4	3	2	4
19	4	4	3	3	3	3	4	5	5	4	4	4	3	3	2	4	4	3	3	2	3	4	4	4	4
20	4	3	4	4	4	5	6	7	***	***	2	2	2	3	2	3	2	2	2	2	3	3	3	2	3
21	2	3	5	5	4	5	5	6	7	6	5	5	4	4	4	4	4	3	3	3	3	5	5	5	4
22	5	5	5	5	5	5	5	6	7	5	4	3	3	3	3	4	4	4	3	3	5	8	9	8	5
23	6	6	5	4	4	4	5	5	4	4	6	6	6	6	5	5	4	4	5	6	7	5	5	5	5
24	5	4	4	4	4	4	4	4	5	5	6	6	5	4	5	5	5	4	3	3	3	3	3	3	4
25	3	3	3	3	3	3	3	3	4	3	4	2	2	2	2	3	4	5	6	5	4	3	3	2	3
26	2	2	2	1	3	4	4	2	2	1	3	5	4	5	5	6	5	5	4	3	4	7	7	7	4
27	5	4	3	2	3	3	4	6	6	5	3	3	3	5	3	3	3	3	2	2	3	3	4	5	4
28	4	4	5	6	6	6	7	8	***	8	6	5	5	4	6	5	5	5	4	4	6	8	9	7	6
29	5	4	4	5	5	5	6	7	8	7	5	4	4	4	4	4	4	4	5	6	6	8	8	7	5
30	8	7	5	5	5	6	6	6	6	6	***	***	5	5	5	6	6	5	4	5	5	5	4	4	5
MEAN	4	4	4	4	4	4	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	5	5	4	4.2

PERCENTAGE OF DATA VALID - 99.0

PERCENTAGE OF DATA INVALID - 1.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION											
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR															MONTH - JUL 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	4	4	4	3	2	3	3	4	4	4	3	4	4	6	4	4	4	4	4	5	5	5	5	4	4	
2	4	3	3	2	2	2	2	2	2	3	4	4	3	4	4	4	3	4	3	3	3	3	3	3	3	
3	2	2	3	3	3	3	4	4	5	5	5	6	6	6	6	6	5	5	6	6	5	5	5	5	5	
4	4	3	3	3	2	2	3	3	3	4	5	4	5	4	2	2	2	2	2	3	4	6	3	5	4	
5	6	6	6	7	6	6	6	6	5	4	3	3	2	2	2	5	2	2	2	2	4	4	4	4	4	
6	4	5	5	6	5	6	5	4	3	3	3	4	4	3	3	3	2	3	3	4	4	3	4	3	4	
7	5	3	3	4	4	5	5	5	5	5	4	4	4	3	3	3	2	3	3	3	4	4	4	4	3	
8	4	4	4	4	4	4	4	5	5	3	3	3	3	4	3	3	2	2	2	3	4	4	4	5	4	
9	4	2	2	2	2	3	4	3	3	3	3	3	3	3	3	3	3	2	2	3	4	3	2	3	3	
10	4	2	2	2	2	3	4	3	3	3	3	3	3	3	3	3	3	2	2	3	4	3	2	3	3	
11	2	3	3	3	3	3	3	3	2	2	2	2	2	2	2	3	3	3	2	2	3	4	4	4	3	
12	4	4	5	4	4	5	5	5	5	2	1	2	3	2	2	2	2	2	2	2	3	3	3	3	3	
13	3	2	2	2	2	3	5	4	4	4	4	4	5	4	4	4	5	5	5	6	5	5	7	6	4	
14	6	6	6	4	2	3	5	5	5	5	5	4	4	4	3	4	4	3	3	4	3	5	5	4	4	
15	4	5	4	6	6	5	5	7	7	4	3	3	3	2	3	3	3	3	3	6	5	4	4	4	4	
16	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	3	5	6	5	4	3	
17	2	2	2	3	3	3	5	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	
18	3	4	4	4	5	5	5	5	4	4	5	4	5	4	3	3	2	2	2	4	3	3	3	4	4	
19	4	4	4	4	6	7	6	6	5	4	5	4	5	4	6	3	3	2	2	4	5	4	3	3	4	
20	3	4	6	6	6	6	6	8	7	8	7	5	5	4	4	4	3	3	3	4	3	4	4	4	5	
21	3	5	3	3	3	5	6	6	5	4	4	5	7	5	5	5	8	8	9	8	6	6	7	5	5	
22	6	5	5	4	5	5	5	6	7	7	6	5	4	4	4	4	4	3	4	5	4	4	5	5	5	
23	6	6	5	4	3	4	4	4	4	4	3	4	4	4	4	4	3	3	3	3	4	4	4	5	4	
24	5	5	5	5	5	5	4	5	4	3	3	3	3	3	3	3	3	2	2	3	2	2	3	3	4	
25	3	2	2	2	2	4	5	5	4	4	5	3	3	2	2	2	2	2	2	3	3	3	3	5	3	
26	5	5	4	4	4	4	4	5	5	5	5	5	5	4	3	3	3	3	3	3	6	7	7	6	5	
27	5	5	4	4	5	5	6	6	6	4	5	5	4	3	3	3	3	3	3	3	3	3	3	3	4	
28	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	
29																										
30																										
31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	2	2	2	2	3	3	3	5	.....
MEAN	4	4	4	4	4	4	4	5	4	4	4	4	4	3	4	3	3	3	3	4	4	4	4	4	3.8	

PERCENTAGE OF DATA VALID - 87.9      PERCENTAGE OF DATA INVALID - 12.1      PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.    \*\* INDICATES DATA IS UNAVAILABLE

3.    \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION										
		STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR														MONTH - AUG 78										
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		6	5	5	4	4	4	5	6	5	7	6	5	3	2	2	3	2	2	2	2	3	6	5	5	4
2		4	3	4	3	3	4	4	4	1	1	2	1	2	2	3	2	3	3	2	2	4	3	5	5	3
3		4	4	4	3	3	4	3	4	....	4	4	4	....	4	3	3	4	3	3	2	4	3	3	3	4
4		4	4	4	4	4	4	4	6	5	4	3	3	3	3	3	3	3	2	2	3	5	7	5	5	4
5		7	8	7	8	7	6	7	7	4	2	2	1	2	2	2	1	2	2	2	2	3	5	5	5	4
6		6	6	6	6	6	7	7	4	3	3	4	3	3	3	3	3	4	5	3	3	3	3	3	4	6
7		7	7	7	8	8	9	9	8	6	4	4	5	7	6	6	5	4	5	3	3	4	3	2	4	6
8		6	6	5	4	4	5	5	6	7	6	3	4	4	4	3	3	3	3	5	3	4	3	2	4	5
9		5	6	6	5	6	5	6	6	6	4	4	5	3	3	3	3	5	4	3	4	5	4	4	4	5
10		4	3	3	2	3	3	4	4	4	3	3	3	4	4	4	5	4	4	4	4	4	5	6	4	4
11		3	3	3	3	3	4	4	5	5	4	4	3	3	2	2	3	2	2	1	2	3	3	3	4	3
12		3	4	5	5	6	6	7	5	3	2	1	2	2	1	1	1	1	1	2	2	4	5	7	7	3
13		7	7	7	7	6	6	6	10	12	11	5	4	4	3	2	1	2	1	1	3	4	5	5	5	5
14		6	5	4	7	8	7	8	11	15	5	2	1	2	2	2	3	4	2	2	2	2	2	2	2	4
15		2	2	2	2	2	3	4	4	4	5	4	3	3	3	2	3	2	1	1	2	2	1	1	1	2
16		2	2	2	1	2	2	4	....	....	3	2	2	3	3	3	2	3	2	3	3	5	4	5	5	4
17		4	3	3	3	4	4	4	5	4	3	3	2	3	3	3	3	3	2	3	3	2	4	3	2	2
18		5	5	4	4	4	4	4	4	4	5	4	5	4	4	4	3	4	3	2	2	3	3	4	4	4
19		3	3	2	3	3	3	4	4	3	3	3	3	3	3	2	2	3	2	3	3	3	3	3	3	3
20		3	3	4	3	3	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	4	3	4	3	3
21		3	3	3	3	3	3	3	4	5	4	3	2	2	2	3	3	2	2	2	3	5	5	6	4	3
22		4	2	4	4	5	5	5	6	7	8	6	4	4	3	3	4	3	4	3	5	6	6	5	5	5
23		5	4	6	6	6	5	5	5	....	6	6	3	2	3	4	4	3	3	3	4	4	5	5	5	4
24		6	6	6	6	5	4	6	6	6	6	6	8	5	4	4	4	4	4	4	4	5	7	6	4	5
25		2	2	2	2	1	1	3	3	4	4	4	4	4	5	5	5	5	5	5	4	4	5	3	3	3
26		3	3	3	3	3	2	2	3	3	3	3	4	4	4	5	4	4	3	3	4	4	4	4	3	2
27		4	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	2	2	2
28		2	3	3	3	2	2	4	5	5	4	5	4	3	3	2	3	3	4	3	3	3	3	3	3	3
29		4	4	5	4	4	4	4	5	5	4	4	3	4	3	3	3	3	4	4	4	4	5	5	5	4
30		6	5	5	5	5	5	5	5	5	8	7	6	4	5	5	5	4	4	4	5	6	5	5	5	5
31		5	5	5	4	3	4	4	4	4	4	4	4	4	4	4	4	3	3	3	4	4	3	2	1	4
MEAN		4	4	4	4	4	4	5	5	5	4	4	3	3	3	3	3	3	3	3	3	4	4	4	4	3.8

## POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR MONTH - SEP 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	3	4	2	1	1	2	5	7	6	6	6	6	6	4	3	2	3	6	5	5	5	5	4
2	5	5	5	5	5	5	5	6	6	6	6	5	4	4	3	2	3	3	3	3	3	4	5	5	4
3	5	5	4	4	4	2	3	3	2	2	2	2	3	2	3	2	2	2	2	2	2	2	2	1	3
4	1	1	2	2	2	2	2	2	2	2	2	2	2	3	3	6	5	4	4	4	5	5	6	5	3
5	6	5	5	5	5	5	5	6	7	7	6	5	5	5	5	4	4	4	4	5	6	5	8	7	6
6	7	7	7	7	7	6	7	9	10	9	7	4	4	4	4	4	4	4	5	6	5	8	8	7	6
7	5	6	6	4	4	5	6	7	6	6	6	5	5	4	5	6	6	6	6	7	8	7	6	5	6
8	4	4	4	4	3	3	6	6	6	6	6	5	4	4	4	4	2	1	1	2	2	1	1	1	4
9	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	2	3	3	4	3	2	1	2	2	1	1	2	2	2	1	2	2
11	2	1	1	1	2	3	3	3	2	2	2	2	2	1	1	1	3	2	****	6	6	6	5	7	3
12	4	4	3	2	2	3	4	5	5	4	3	3	2	2	2	2	2	2	2	2	2	2	2	2	3
13	1	1	1	2	1	2	1	2	***	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	3
14	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3
15	4	4	5	3	3	3	3	4	4	4	4	4	3	2	2	5	4	4	5	4	4	5	6	7	4
16	6	6	6	5	5	5	5	5	4	4	4	4	4	5	4	5	4	4	3	5	3	3	2	2	4
17	2	2	2	1	2	2	4	4	4	4	3	4	4	3	2	3	2	2	2	3	2	3	4	3	3
18	3	3	2	2	2	2	2	2	3	3	3	4	4	3	4	5	4	4	4	4	4	4	4	3	3
19	3	3	2	1	2	2	2	2	2	2	2	3	4	4	5	5	6	6	6	6	3	3	2	2	3
20	2	1	1	1	2	3	3	3	***	5	7	6	3	3	3	3	3	5	4	5	5	5	5	5	4
21	5	5	4	5	4	5	5	5	5	5	4	2	3	3	4	3	3	3	3	3	2	1	1	1	4
22	1	2	1	1	1	1	1	1	***	2	2	2	2	1	2	2	2	1	1	2	1	1	1	1	1
23	2	2	2	2	2	2	2	3	3	2	1	1	2	2	2	2	2	2	2	3	3	3	3	3	2
24	4	3	4	3	3	3	3	4	4	5	4	2	2	2	2	2	2	2	2	3	5	4	4	3	2
25	2	1	1	1	1	2	1	2	2	2	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1
26	2	2	1	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	3	3
27	4	5	5	5	4	4	4	4	4	4	5	5	3	2	3	4	4	3	2	1	1	1	1	1	3
28	2	2	2	1	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2
29	3	2	2	2	2	2	2	***	3	2	2	2	2	2	2	3	2	3	3	4	4	4	3	3	3
30	4	4	4	3	3	3	3	3	3	3	3	3	3	2	2	4	3	3	3	3	3	2	3	3	3
MEAN	3	3	3	3	3	3	3	3	4	4	4	3	3	3	3	3	3	3	3	4	3	3	3	3	3.2

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR MONTH - OCT 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	2
2	3	3	3	3	3	3	2	3	4	3	4	4	3	2	2	2	2	2	3	3	3	3	3	3	3
3	3	2	2	3	1	3	3	3	3	2	2	2	2	3	3	3	3	3	3	3	3	3	4	4	3
4	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5	2	2	2	2	2	2	***	2	2	2	2	2	2	2	2	2	3	3	3	3	3	2	2	2	2
6	1	1	1	1	1	1	***	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7	2	2	2	2	1	1	2	1	1	1	1	1	1	2	2	2	1	1	2	2	2	2	2	1	2
8	2	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	1	2	2	3	2	2	2	2	2
9	2	2	2	2	2	2	2	2	2	3	3	3	3	3	1	2	2	2	2	3	3	3	3	3	2
10	3	3	3	2	2	2	2	2	3	3	4	4	4	4	3	3	2	3	3	3	3	3	3	4	3
11	4	4	4	4	5	4	4	4	3	3	***	***	***	4	4	4	3	3	3	2	2	2	2	3	3
12	4	3	3	3	4	4	4	4	4	4	4	4	5	5	5	5	4	5	5	5	5	5	6	5	4
13	5	5	4	5	5	4	4	4	4	4	5	5	5	4	4	4	4	4	4	4	4	3	3	2	4
14	2	2	2	2	1	4	4	4	4	4	3	3	3	3	3	3	4	3	3	4	4	5	5	3	3
15	5	4	3	3	3	3	4	4	3	2	2	3	3	4	4	4	4	4	4	4	4	4	4	3	4
16	2	2	1	1	2	2	3	4	4	3	4	4	4	4	4	4	4	3	4	4	4	4	4	4	3
17	4	4	4	4	4	4	4	4	5	6	7	5	4	4	3	4	4	5	6	5	5	6	5	4	5
18	4	4	4	4	3	4	3	3	3	3	4	4	4	4	4	5	5	5	5	5	5	5	5	5	4
19	4	4	4	4	4	4	4	4	4	4	4	5	5	4	4	4	4	4	4	5	5	5	4	4	4
20	4	4	4	4	4	4	4	4	***	8	7	6	4	4	5	5	5	5	4	4	4	4	4	4	5
21	5	5	5	5	5	5	5	5	5	5	6	5	5	5	4	4	4	6	7	6	5	5	6	6	5
22	6	5	5	4	4	4	5	5	5	6	6	5	5	5	4	4	5	7	8	6	7	8	7	6	6
23	2	2	2	2	3	3	4	3	3	2	3	3	3	3	3	4	4	4	4	4	4	4	4	4	3
24	4	4	4	5	4	4	5	5	6	***	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
25	5	4	4	4	4	4	4	4	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
26	5	5	5	5	4	4	4	4	4	4	4	4	4	4	5	4	4	4	4	4	4	4	4	4	4
27	4	4	4	4	4	4	3	3	3	3	4	4	4	4	4	***	5	5	5	5	5	5	4	4	4
28	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
29	4	4	3	3	3	3	3	3	3	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4
30	4	4	3	4	3	3	3	3	3	4	4	3	4	4	3	3	4	5	5	5	5	5	5	5	4
31	6	6	6	7	6	6	5	5	6	8	9	7	5	5	5	4	4	4	4	4	4	4	4	4	5
MEAN	4	3	3	3	3	3	3	3	3	4	4	4	4	3	3	4	4	4	4	4	4	4	4	4	3.5

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR														MONTH - NOV 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	4	4	3	4	4	4	4	5	6	5	5	6	8	7	6	6	6	5	5	5	5	5	5	5
2	6	5	6	6	5	5	5	5	6	6	7	8	8	7	6	6	8	8	9	9	10	9	9	9	7
3	9	8	8	7	7	7	7	8	9	12	9	***	6	6	5	7	8	9	9	8	8	8	8	7	8
4	6	6	6	7	7	7	6	7	7	9	10	9	8	7	6	6	7	9	9	9	9	7	7	8	7
5	8	8	8	7	7	6	6	5	5	5	6	5	5	5	5	4	4	4	4	4	5	5	5	6	6
6	5	5	6	6	4	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4
7	4	4	3	3	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
8	3	3	3	3	3	3	3	4	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	3	4
9	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3
10	3	3	3	3	3	3	3	3	3	2	2	2	***	2	2	2	3	3	3	2	2	3	3	3	3
11	3	3	3	3	3	3	3	3	3	4	5	5	6	8	9	9	7	6	5	4	3	2	2	2	4
12	2	2	2	1	1	1	2	2	2	2	2	2	2	3	3	3	3	2	3	3	2	2	2	2	2
13	2	3	2	2	1	1	2	3	3	3	3	3	3	3	3	3	4	4	3	3	3	3	3	3	3
14	4	3	4	3	4	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
15	2	2	1	1	1	1	1	3	2	3	3	3	3	3	3	3	4	4	3	3	3	3	3	3	3
16	4	3	3	3	4	3	4	3	3	3	3	2	2	3	3	3	3	3	3	3	2	2	2	2	3
17	2	2	2	1	2	2	2	2	***	2	2	2	2	2	2	1	2	1	1	1	2	2	1	1	2
18	1	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2
19	2	3	2	2	2	2	2	2	2	2	3	3	3	4	4	4	4	4	4	4	3	3	3	3	3
20	3	3	3	3	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2
21	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
22	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	4	4	3	2	2	2	2	1	1	2
23	1	1	2	2	2	2	2	2	2	2	2	2	2	2	***	2	2	2	2	2	2	2	2	2	2
24	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	2	1	1	2	2	2	3	3	2	2	3	3	2	3	3	3	3	3	3	3	3	2	2	2
26	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1
27	1	1	2	1	1	1	1	1	1	2	2	2	1	2	2	2	2	2	2	2	2	3	3	2	2
28	2	2	2	2	2	2	2	2	2	3	3	2	2	3	2	2	2	2	2	2	2	2	2	2	2
29	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
30	2	2	2	2	1	1	2	2	2	2	2	***	***	3	2	3	3	3	3	3	3	3	2	2	2
MEAN	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	3	3	3	3	3	3.1

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.8 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR															MONTH - DEC 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	2	2	2	2	2	2	****	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2
2	2	2	2	1	1	1	2	2	3	3	3	3	3	3	3	3	3	3	3	3	2	1	1	1	2
3	1	1	1	1	1	1	1	1	2	2	3	3	2	3	3	3	3	3	3	2	2	2	2	3	2
4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	3	3	3	4	3	3
5	2	3	2	2	2	2	2	2	2	2	2	2	3	2	3	3	5	5	5	5	5	5	5	5	4
6	4	3	4	3	3	3	3	3	3	4	***	5	4	5	4	5	5	5	5	5	5	5	5	5	5
7	4	5	4	3	3	3	3	3	3	3	3	3	3	4	3	3	4	4	5	5	5	5	5	5	4
8	5	5	4	4	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4
9	3	3	3	3	2	2	2	2	3	3	3	4	3	4	3	3	3	3	3	4	3	3	3	3	3
10	3	4	3	3	2	3	4	4	4	4	3	3	3	4	4	4	4	4	5	4	4	4	4	5	4
11	4	4	4	4	3	3	3	3	3	3	2	2	2	3	3	4	3	3	3	3	3	3	4	3	3
12	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3	3
13	3	2	2	3	3	3	3	3	3	***	***	2	2	2	2	2	3	3	3	2	2	2	3	2	3
14	3	2	2	3	2	3	3	3	3	3	***	***	***	***	***	2	3	2	2	2	2	3	3	2	3
15	2	2	2	2	2	2	2	2	2	***	***	3	3	3	3	3	4	4	3	3	3	2	2	2	3
16	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	***	1	3	3	4	3	4	4	4	4	3	2	2	2	2	2
19	2	2	2	3	2	1	1	1	1	1	2	3	3	***	3	2	2	2	2	3	2	2	2	2	2
20	2	2	2	2	1	2	2	2	2	2	3	3	3	3	3	2	2	2	3	3	3	3	2	2	2
21	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	4	3	3	2
22	3	3	3	2	2	2	2	2	2	2	2	3	3	3	3	3	4	4	4	4	4	4	3	3	3
23	3	3	3	3	3	3	3	3	2	2	2	3	4	3	4	3	4	4	3	3	3	3	3	3	3
24	4	3	3	3	3	3	3	3	3	2	2	2	3	3	3	3	3	3	3	3	3	3	4	3	3
25	3	3	3	3	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	3	3	3	3	2
26	3	3	3	3	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
27	3	3	2	3	3	3	3	3	2	3	3	2	2	3	3	3	3	3	3	3	3	3	3	3	3
28	3	3	3	3	3	3	3	4	4	5	4	5	3	3	***	3	3	3	***	3	3	3	3	3	3
29	3	3	2	3	2	1	2	2	***	2	2	3	3	3	3	3	3	3	3	3	3	3	3	4	3
30	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	3
31	2	2	2	2	3	2	2	2	2	2	2	3	3	3	3	3	2	2	2	2	2	2	2	2	2
MEAN	3	3	3	2	2	2	2	2	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2.7

PERCENTAGE OF DATA VALID - 98.0 PERCENTAGE OF DATA INVALID - 2.0 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	4.5	7	9
FEB	28	5.5	7	10
MAR	31	5.4	10	13
APR	29	4.0	6	6
MAY	31	4.8	8	21
JUN	30	4.2	6	9
JUL	27	3.8	5	9
AUG	31	3.8	6	15
SEP	30	3.2	6	10
OCT	31	3.5	6	9
NOV	30	3.1	8	12
DEC	31	2.7	4	5
YEAR	360	4.0	10	21

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	6	137	551	47	0	0	0	741
FEB	0	34	481	148	0	0	0	663
MAR	3	113	454	142	26	0	0	738
APR	18	246	403	27	0	0	0	694
MAY	2	193	428	94	6	4	1	728
JUN	3	237	432	41	0	0	0	713
JUL	1	296	338	19	0	0	0	654
AUG	25	323	348	39	3	1	0	739
SEP	102	352	236	25	0	0	0	715
OCT	31	290	400	14	0	0	0	735
NOV	82	444	127	60	1	0	0	714
DEC	69	553	107	0	0	0	0	729
YEAR	342	3218	4305	656	36	5	1	8563

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
97.8	1	1.4	2.5	3.4	4.3	5.8	6.7	8.0	9.0	21	4.0

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA													MONTH - JAN 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	2	2	2	1	2	2	1	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2
2	1	1	2	2	2	3	3	2	2	2	1	2	2	2	3	2	4	3	3	3	3	3	3	3	2
3	3	3	2	2	2	2	3	3	3	3	2	2	2	3	2	-	2	4	3	3	3	4	5	5	3
4	5	4	4	4	4	3	3	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	5
5	4	5	5	5	5	5	5	5	5	6	....	....	6	8	7	9	6	5	5	5	5	6	5	5	6
6	4	4	4	4	4	4	5	4	....	....	4	4	4	4	4	4	4	4	4	4	3	4	3	3	4
7	3	3	3	3	2	2	2	2	2	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	3
8	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	1	1	1	1	1	1	1	1	1	3
9	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	....	2	3	3	2	2	1	2	2	2
10	1	1	1	2	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	2	3	3	3	2	2
11	3	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2	3	3	3	3	3	3	2	2	2
12	3	3	3	3	3	3	3	4	4	5	4	4	9	4	....	5	8	8	8	6	6	5	5	4	5
13	4	4	4	4	4	4	3	4	5	3	3	3	3	3	4	4	3	3	2	2	2	2	1	1	3
14	1	2	1	1	1	1	1	2	1	1	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2
15	3	4	4	4	2	2	2	2	2	2	2	2	1	2	2	2	2	3	5	5	4	4	4	3	3
16	3	3	2	3	3	3	3	4	4	5	6	6	6	7	....	8	7	7	7	6	6	6	6	6	5
17	6	5	4	4	4	5	5	4	3	3	2	3	2	2	2	2	2	2	2	2	2	2	2	2	3
18	2	2	2	1	1	2	2	3	3	2	2	2	2	3	3	2	3	4	4	4	5	5	6	5	3
19	5	5	4	5	5	3	3	4	5	4	3	2	2	2	2	2	3	3	3	2	2	2	1	1	3
20	2	1	1	1	2	2	2	2	2	....	....	2	2	2	2	2	2	3	2	2	3	3	2	2	2
21	2	3	3	3	3	4	4	4	4	3	2	2	4	3	3	3	3	4	3	3	5	5	5	5	3
22	5	5	5	5	5	5	4	5	5	6	6	5	6	5	7	8	7	6	6	6	6	6	6	6	6
23	6	6	5	5	5	5	5	5	5	5	5	7	9	9	8	8	8	8	....	8	7	7	7	7	7
24	7	7	7	7	6	6	6	7	9	8	7	6	7	7	8	8	6	7	7	7	6	6	6	7	7
25	7	6	5	4	3	2	3	4	3	3	3	3	3	3	3	3	4	3	3	3	3	3	4	4	4
26	3	2	2	2	2	2	4	3	3	3	2	1	1	1	2	1	....	....	....	....	....	....	....	....	2
27	....	....	....	....	....	....	....	....	....	....	4	3	2	2	3	3	2	2	2	2	2	2	3	2	....
28	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	2	2
29	2	2	2	2	2	2	2	1	1	1	1	1	1	2	2	1	2	2	2	2	3	3	2	2	2
30	1	1	1	2	2	2	2	3	3	3	2	3	2	2	3	2	2	3	3	3	4	5	5	5	3
31	4	4	5	6	5	5	5	4	4	4	3	3	3	2	2	2	3	3	3	3	3	3	4	4	4
MEAN	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	3	3.3

PERCENTAGE OF DATA VALID - 96.1

PERCENTAGE OF DATA INVALID - 3.8

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. .... INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA													MONTH - FEB 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	3	3	2	2	2	2	3	3	3	3	3	3	3	4	4	4	3	4	6	7	5	4	5	4
2	5	5	5	5	5	5	6	5	4	4	3	3	3	3	3	3	4	4	4	5	5	4	4	3	4
3	3	3	2	2	2	2	3	3	3	3	3	2	2	2	2	2	3	4	4	5	5	4	4	5	3
4	5	5	5	6	5	5	5	5	5	4	4	2	2	2	2	2	2	3	3	3	3	2	2	2	3
5	4	3	3	2	2	3	3	3	3	2	2	2	2	2	2	2	3	3	3	2	3	2	2	2	2
6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2
7	1	1	1	1	1	1	1	2	2	2	2	2	1	2	2	2	2	2	2	2	2	3	3	3	2
8	2	2	2	2	3	3	3	4	4	3	2	2	2	2	3	3	3	3	3	4	5	4	5	4	3
9	3	3	3	2	2	3	3	4	4	4	3	2	2	2	2	2	3	3	3	3	3	4	5	5	3
10	5	4	3	3	2	3	3	4	4	4	3	3	2	2	3	3	3	3	3	4	5	4	4	4	3
11	4	3	4	4	4	4	4	4	3	3	3	2	2	2	2	2	2	3	3	4	4	3	4	4	3
12	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	2
13	3	2	2	3	3	4	4	5	6	4	3	3	3	2	2	2	2	3	3	2	2	1	1	2	3
14	1	2	2	2	2	2	4	5	4	3	3	3	3	2	2	2	2	3	3	4	4	5	5	5	3
15	6	5	5	5	5	5	5	6	5	5	5	7	8	6	6	6	6	5	5	5	5	6	6	6	6
16	6	7	7	7	6	6	5	5	4	4	3	4	5	5	6	6	6	6	6	7	6	5	5	4	6
17	4	4	3	4	4	4	3	4	4	4	3	5	6	4	3	3	3	3	3	4	3	5	6	6	4
18	6	6	5	5	4	5	5	5	4	3	3	3	3	4	4	3	3	3	4	4	5	6	5	5	4
19	5	4	4	3	3	3	3	3	3	3	3	2	1	1	1	1	2	2	4	4	3	3	5	6	3
20	6	5	5	6	6	6	5	7	7	6	11	9	4	8	5	5	6	5	4	7	7	8	7	6	6
21	6	6	6	6	6	6	6	6	6	5	4	4	3	3	3	3	3	3	3	2	2	2	2	3	4
22	2	2	2	2	3	3	3	3	3	3	2	3	2	2	3	3	3	3	3	3	3	3	4	5	3
23	6	6	6	5	5	5	6	6	7	7	6	7	9	9	10	9	10	9	8	7	8	7	5	4	7
24	3	3	3	2	3	3	3	4	4	4	4	3	3	4	5	5	6	7	6	5	6	4	3	4	4
25	5	5	4	4	4	4	4	3	4	3	3	3	3	3	3	3	4	4	4	4	4	4	2	3	4
26	2	3	3	3	3	2	2	2	2	2	2	2	2	2	1	2	2	2	3	3	3	3	5	4	3
27	3	2	1	1	2	2	3	4	4	4	2	2	2	2	3	2	2	3	4	5	5	7	8	7	3
28	6	7	6	6	5	4	4	6	5	5	4	3	6	6	7	6	8	6	6	5	5	4	4	3	5
MEAN	4	4	4	3	3	4	4	4	4	4	3	3	3	3	3	3	4	4	4	4	4	4	4	4	3.7

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. .... INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION											
STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA													MONTH - MAY 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1	1	1	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	1	1	1	1	1	2	3	2	2	2	2	2	3	3	3	3	3	2	2	3	4	5	6	6
3	4	5	5	4	5	5	5	4	3	3	3	3	3	3	2	2	2	2	2	3	4	4	2	3
4	1	1	1	1	1	2	2	3	3	3	3	3	4	2	3	5	3	6	2	2	2	2	2	1
5	1	1	1	1	1	2	3	3	3	3	3	3	4	4	4	5	5	5	4	4	4	4	4	3
6	3	3	2	2	2	2	2	2	2	3	3	3	3	2	2	3	3	3	3	4	4	4	5	4
7	3	3	3	3	4	4	3	2	2	2	2	2	1	1	1	1	2	2	3	5	3	2	1	1
8	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	4	4	2
9	4	5	4	4	4	4	4	4	3	2	2	2	2	2	2	2	2	1	1	1	1	2	1	2
10	1	2	1	1	1	1	2	2	2	2	2	2	3	2	2	2	2	2	3	2	3	3	2	2
11	2	2	1	1	3	2	3	3	3	4	4	4	4	4	7	7	6	7	7	6	4	2	2	1
12	2	1	1	2	2	1	2	2	2	2	3	2	2	2	2	3	3	3	3	3	2	2	2	1
13	1	1	1	1	1	1	1	1	1	1	2	2	3	1	1	1	1	2	2	2	1	2	2	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	3	2	2	2	2	2
15	1	1	1	1	1	2	3	3	3	3	3	3	3	3	2	3	3	2	3	3	2	2	2	2
16	1	1	1	1	1	1	2	3	2	2	2	2	2	2	2	3	3	3	2	3	3	3	2	2
17	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	4	5	6	7	7
18	2	3	2	2	2	2	3	2	4	11	8	5	4	3	3	3	3	3	4	5	6	6	7	7
19	5	4	4	5	4	3	3	3	3	3	3	3	3	3	2	2	2	2	2	3	5	6	6	4
20	5	4	4	6	7	8	9	7	6	7	8	7	7	7	4	2	6	3	3	5	3	1	2	1
21	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	2	2	1
22	3	3	3	3	3	2	2	2	4	9	13	7	3	2	1	1	1	1	1	2	4	4	4	4
23	4	4	3	3	3	3	4	4	3	4	4	4	4	4	4	5	4	4	3	4	4	3	4	4
24	2	2	2	3	3	2	4	3	3	3	3	3	3	3	3	4	3	3	3	4	4	4	5	3
25	6	4	5	5	4	5	6	8	7	5	5	5	2	2	2	2	3	4	6	5	6	6	6	5
26	6	5	5	5	5	5	9	10	9	5	4	3	3	3	3	3	3	3	5	6	6	7	7	5
27	8	7	5	5	4	4	6	8	5	5	7	5	3	2	2	3	4	4	5	8	7	8	7	5
28	5	6	4	4	3	4	3	2	3	6	6	5	5	5	3	2	2	4	2	2	3	3	2	2
29	2	2	1	1	2	3	3	3	4	4	3	2	2	2	3	3	5	5	2	2	2	2	2	2
30	1	1	1	2	2	4	4	4	4	4	2	2	1	1	1	2	3	2	4	6	4	3	3	2
31	3	3	3	3	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1
MEAN	3	3	2	2	2	3	3	3	3	3	4	3	3	2	2	3	3	3	3	3	3	3	3	2.9

PERCENTAGE OF DATA VALID - 97.3 PERCENTAGE OF DATA INVALID - 2.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA													MONTH - JUN 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN	
1	1	1	1	1	1	1	1	2	1	2	2	4	6	5	7	6	4	4	3	4	3	3	5	5	3
2	4	3	4	4	4	3	3	2	2	3	2	2	2	2	3	2	2	3	5	4	4	2	1	1	3
3	1	1	1	1	1	1	1	1	1	1	2	2	2	1	2	1	1	1	2	2	2	2	3	3	2
4	3	3	3	2	3	3	3	3	2	2	2	2	2	2	2	5	4	4	7	7	4	5	3	1	3
5	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	2	2	2
6	2	2	2	1	2	3	3	5	4	4	3	4	3	3	4	4	5	5	1	1	1	1	1	1	3
7	1	1	2	2	3	3	4	3	3	3	3	3	2	2	2	2	3	3	2	2	2	2	3	2	2
8	3	4	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	2	3	2	2
9	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	1	1	1	2	1	2	1	2	2
10	1	2	2	2	1	2	1	1	2	3	4	4	4	3	4	3	3	3	3	2	2	2	2	2	2
11	3	3	6	4	3	3	4	6	4	3	3	3	3	3	3	3	4	4	4	4	4	4	5	3	4
12	4	4	4	5	3	4	4	5	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
13	4	4	4	5	3	4	4	5	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
14	1	1	1	1	1	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
15	4	4	5	4	5	4	5	4	5	4	4	2	2	2	2	2	2	2	2	2	2	2	2	2	3
16	2	2	2	2	2	2	3	3	3	3	4	6	4	4	5	5	3	3	2	2	2	2	2	2	5
17	2	4	5	5	5	6	6	7	5	6	4	5	4	3	4	6	6	2	3	7	6	5	3	2	5
18	4	5	6	4	5	4	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	4	2	2
19	3	3	2	2	1	2	3	2	3	3	2	2	2	2	2	2	2	2	1	2	3	3	3	4	2
20	3	2	5	2	4	5	7	5	2	2	2	4	3	3	3	4	4	3	3	2	2	2	2	1	3
21	2	2	2	2	2	3	3	2	3	2	2	2	2	2	2	2	2	2	2	2	3	5	4	2	3
22	1	2	2	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	3	4	4	3	2
23	2	1	1	2	2	3	3	2	3	3	3	2	2	2	2	2	2	3	3	2	3	2	3	2	2
24	3	3	2	3	3	3	3	3	2	2	3	2	2	2	3	2	2	2	2	3	2	2	2	2	2
25	2	2	2	2	2	2	2	2	2	2	5	4	4	4	4	2	4	3	3	2	2	2	2	1	3
26	1	1	1	1	2	3	5	6	5	4	4	4	4	3	4	2	2	2	2	4	5	5	4	4	3
27	3	3	5	5	5	6	6	6	6	6	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3
28	1	1	1	3	3	4	3	2	3	2	2	3	2	2	2	2	2	3	4	6	6	6	5	4	3
29	2	2	2	2	3	3	3	3	2	3	2	2	3	3	3	4	4	4	3	3	5	5	4	3	3
30	3	3	3	2	2	3	2	2	2	2	2	2	2	3	3	3	2	2	2	2	3	2	2	2	2
MEAN	2	2	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	2	2.7

PERCENTAGE OF DATA VALID - 95.1 PERCENTAGE OF DATA INVALID - 4.9 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA															MONTH - JUL 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	1	1	1	2	2	2	1	1	2	2	2	2	2	1	1	2	2	2	3	4	4	2	2
2	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	2	2	1
3	1	1	1	1	1	2	2	2	2	2	3	3	2	2	3	3	3	3	3	3	3	3	3	3	2
4	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2	4	4	3	3	2
5	2	3	3	3	3	5	7	8	6	8	6	5	4	4	3	3	3	3	3	4	4	3	3	2	4
6	5	4	3	2	4	3	4	5	4	4	5	***	***	4	5	5	3	3	3	4	3	3	3	3	4
7	2	2	2	2	3	3	4	7	8	7	4	5	4	4	4	5	5	4	4	3	2	2	3	4	4
8	5	3	2	2	3	3	5	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2
9	4	3	2	3	3	3	2	2	2	2	2	3	3	3	3	3	4	4	5	6	6	7	5	5	4
10	3	1	1	1	1	1	1	1	2	2	2	2	1	2	1	2	1	1	1	1	2	1	2	1	1
11	1	1	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	3	4	5	4	2
12	5	4	3	3	4	5	10	9	7	4	1	2	4	3	2	4	5	5	3	2	2	2	2	2	4
13	1	1	1	2	3	4	6	6	5	5	5	6	6	6	6	5	3	3	3	3	3	3	3	3	4
14	2	1	1	1	1	2	2	2	***	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2
15	3	3	6	4	4	5	5	5	4	2	2	2	2	2	2	2	2	2	1	1	2	1	1	1	3
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1
17	1	0	1	2	1	2	2	1	1	1	2	2	2	2	2	2	1	1	1	2	2	3	3	3	2
18	2	3	3	3	4	5	5	7	8	6	6	6	7	5	5	5	9	3	4	3	3	3	3	3	5
19	3	3	4	6	7	6	7	9	10	10	9	***	-	-	-	-	-	-	-	-	-	-	-	-	*****
20	- DATA UNAVAILABLE -																								
21	- DATA UNAVAILABLE -																								
22	- DATA UNAVAILABLE -																								
23	- DATA UNAVAILABLE -																								
24	- DATA UNAVAILABLE -																								
25	- DATA UNAVAILABLE -																								
26	- DATA UNAVAILABLE -																								
27	- DATA UNAVAILABLE -																								
28	- DATA UNAVAILABLE -																								
29	- DATA UNAVAILABLE -																								
30	- DATA UNAVAILABLE -																								
31	- DATA UNAVAILABLE -																								
MEAN	2	2	2	2	2	3	4	4	4	3	3	3	3	3	3	3	3	2	2	2	3	3	3	3	2.8

PERCENTAGE OF DATA VALID - 59.1

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 40.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	30	3.3	7	9
FEB	28	3.7	7	11
MAR	23	3.3	8	15
APR	2	2.4	3	6
MAY	31	2.9	5	13
JUN	28	2.7	5	8
JUL	18	2.8	5	10
YEAR	160	3.1	8	15

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	68	378	224	45	0	0	0	715
FEB	18	344	270	36	1	0	0	669
MAR	102	248	141	46	5	2	0	544
APR	28	11	16	0	0	0	0	55
MAY	138	388	163	33	2	0	0	724
JUN	94	429	155	7	0	0	0	685
JUL	105	227	88	20	0	0	0	440
YEAR	553	2025	1057	187	8	2	0	3832

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	CONCENTRATIONS FREQUENCY DISTRIBUTION									MAX	ARITH MEAN
	MIN	10	30	50	70	90	95	98	99		
75.3	0	0.7	1.5	2.2	3.2	5.1	6.1	7.5	8.5	15	3.1

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA

MONTH - AUG 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1
11	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	2
12	3	3	3	3	3	3	3	5	5	4	3	3	3	3	4	3	4	4	3	3	4	4	4	4	4
13	4	4	4	4	3	3	4	4	4	4	3	4	4	4	4	4	4	4	4	5	4	4	4	3	4
14	4	4	4	4	5	5	5	7																	
15																									
16	4	3	3	4	3	3	2	3	2	3	3	3	2	2	2	3	3	3	2	2	2	2	2	2	3
17	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2	1	1	2	2	2	2	2	2	2
18	2	2	2	2	2	2	2	3	3	3	4	3	3	3	4	3	4	5	4	2	3	3	3	4	3
19	4	4	4	3	3	3	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
20	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2
21	3	3	3	3	3	3	3	4	4	4	5	4	4	3	3	3	3	3	3	4	4	4	3	2	3
22	2	2	3	3	3	3	3	4	5	3	3	3	3	3	4	4	4	5	5	5	5	5	5	4	4
23	4	4	3	3	4	4	5	6	6	5	4	3	3	3	3	3	4	5	4	4	4	5	4	4	4
24	3	3	3	3	3	3	4	3	3	3	3	3	2	2	2	2	2	2	2	3	3	3	4	4	2
25	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3
26	4	4	4	3	3	4	4	3	2	2	2	2	1	1	2	2	2	2	2	3	2	2	1	2	2
27	3	3	2	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3
28	2	4	5	4	5	4	4	3	2	2	2	2	2	3	3	2	2	1	1	2	3	3	3	3	2
29	3	3	3	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	3	2	2	2	1	3
30	3	3	3	3	3	3	4	4	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
31	1	1	1	1	1	1	2	2	2	1	2	2	2	2	2	2	2	1	1	2	3	4	4	5	4
MEAN	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	3	3	3	3	3	3	3	2.7

PERCENTAGE OF DATA VALID - 67.7

PERCENTAGE OF DATA INVALID - 5.4

PERCENTAGE OF DATA UNAVAILABLE - 26.9

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION									
		STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA														MONTH - SEP 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	3	3	4	3	3	3	4	10	9	3	2	2	2	3	3	5	5	5	5	3	4	4	4	4
2	4	2	2	3	4	5	5	5	4	3	3	3	4	4	4	4	4	6	6	5	6	8	5	5	4
3	7	7	3	3	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
4	1	1	1	1	1	1	3	1	2	1	1	1	1	1	1	1	1	1	2	3	4	3	3	2	2
5	3	3	2	2	2	2	4	3	3	2	3	3	2	2	3	3	2	3	4	8	9	7	5	6	4
6	7	6	3	4	3	4	4	4	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2
7	2	2	2	2	2	2	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2	3	3	2
8	2	2	2	2	2	2	2	3	3	4	3	2	2	2	2	2	2	2	2	2	1	1	1	1	2
9	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	2	1	1	2	2	1
10	2	2	1	1	1	1	1	1	1	3	4	2	2	1	2	3	4	2	3	3	4	1	2	2	2
11	4	4	4	5	4	4	4	3	2	2	2	2	2	2	2	2	2	2	5	5	4	4	2	1	2
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1
13	1	1	1	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	3	2	2	2	2	2	2
14	2	2	1	2	2	2	3	2	3	3	3	3	3	3	3	4	4	4	4	3	2	2	2	2	3
15	2	2	2	2	2	2	3	2	1	1	1	1	1	2	1	3	2	5	5	6	5	5	5	3	3
16	2	2	2	2	2	2	1	1	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2
17	2	2	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2	2
18	2	2	2	2	1	1	2	3	2	2	2	2	2	2	2	3	4	5	2	3	2	2	2	2	3
19	1	1	1	1	1	1	1	2	2	2	2	2	5	12	8	5	4	4	6	3	2	2	2	2	3
20	2	2	2	2	2	2	3	3	2	4	5	6	4	4	3	4	5	4	6	4	4	5	3	3	4
21	3	4	4	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
22	2	2	1	1	2	2	2	2	1	1	1	2	1	2	1	2	2	2	2	2	2	3	3	3	2
23	3	2	2	2	3	3	3	3	3	3	2	2	2	1	1	2	2	3	4	5	3	4	5	5	3
24	4	4	3	3	3	3	4	3	2	2	1	1	1	1	1	1	2	2	3	4	4	2	2	2	2
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	2	3	3	2	2	3	1
26	3	3	3	2	2	2	2	2	2	3	4	2	4	4	4	4	4	4	5	5	3	2	2	4	3
27	5	6	5	5	6	6	6	5	5	5	4	4	4	3	3	2	2	1	1	1	1	1	1	1	3
28	1	1	1	1	1	1	3	2	2	1	1	1	1	1	1	2	1	2	3	2	3	3	3	2	2
29	3	3	2	2	2	3	3	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
30	2	2	2	2	3	3	2	3	3	4	4	3	3	5	4	4	2	3	4	4	4	3	3	2	3
MEAN	3	3	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	2.4

PERCENTAGE OF DATA VALID - 96.8

PERCENTAGE OF DATA INVALID - 3.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION											
STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA															MONTH - OCT 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	3	3	2	2	
2	2	2	2	2	2	2	3	2	3	4	5	4	3	2	2	2	2	2	2	2	2	2	2	2	2	
3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
4	3	3	3	3	3	3	3	3	2	2	2	1	1	1	2	2	2	2	3	3	3	3	3	3	2	
5	3	3	3	2	2	3	3	3	3	3	2	3	3	3	3	3	3	5	5	5	5	5	4	5	3	
6	4	3	4	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	
7	2	2	1	1	1	1	2	3	1	1	1	1	1	1	1	1	1	2	2	2	2	2	3	3	2	
8	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	3	3	3	2	2	3	2	
9	3	3	3	3	3	3	4	5	5	4	4	3	3	3	5	4	4	4	4	5	5	5	5	5	4	
10	5	4	3	4	4	4	4	5	4	5	6	7	6	5	5	4	6	5	4	4	3	3	3	3	4	
11	3	3	3	3	3	4	5	4	4	3	3	3	3	3	4	5	4	5	3	3	4	4	4	3	4	
12	4	4	3	4	4	4	4	2	1	1	1	1	1	2	2	2	2	2	2	3	3	2	3	3	3	
13	4	4	3	3	3	3	3	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
14	2	2	2	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	2	2	2	2	2	1	
15	1	1	2	2	2	2	2	2	1	2	2	3	2	2	3	2	2	3	2	2	2	2	2	1	2	
16	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	2	2	3	2	2	
17	3	3	3	3	3	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
18	2	2	2	2	3	3	4	3	3	3	3	3	2	2	3	4	5	5	4	4	4	4	3	3	3	
19	3	2	1	1	1	1	2	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	
20	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	4	5	5	5	4	4	4	4	3	
21	3	3	3	4	4	4	4	4	4	3	3	4	5	5	5	4	4	4	5	5	6	6	6	5	5	4
22	5	5	5	4	4	4	4	4	3	4	3	3	4	5	5	6	4	5	5	5	1	1	1	1	1	
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	4	
24	1	1	2	2	1	2	2	2	3	3	3	3	3	3	2	2	3	3	4	4	4	3	4	4	3	
25	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
26	3	3	2	1	1	1	1	2	1	3	3	4	4	2	2	1	1	1	1	2	2	2	1	1	1	
27	2	2	1	1	2	3	3	3	3	4	4	2	2	1	1	1	1	2	3	3	3	4	4	4	2	
28	4	4	4	4	3	2	2	2	1	1	1	0	0	0	0	1	1	2	3	3	2	2	1	3	2	
29	3	2	2	2	1	1	2	2	2	2	2	1	0	0	0	0	0	2	3	2	2	2	2	1	2	
30	2	1	1	1	1	1	2	2	2	2	2	2	3	3	3	2	3	4	4	4	4	4	3	3	2	
31	3	3	3	3	3	3	3	3	3	2	1	1	0	1	0	1	0	0	0	0	0	0	0	0	1	
MEAN	3	3	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	2.4	



POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA															MONTH - NOV 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	1	1	1	2	2	2	2	2	****	3	2	3	3	2	1	1	1	2	2	2	2	2	2	2
2	3	3	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	2	3	3	3	2	2	2	2
3	2	2	2	2	2	2	2	3	2	2	2	2	1	1	2	1	2	2	2	2	2	2	2	2	2
4	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	2	1	1	0	0	0	1	1	1
5	2	1	2	1	2	2	2	2	1	2	2	2	2	1	1	2	1	2	2	2	2	2	2	2	2
6	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	****	1	1	1	1	1	1	1	2	3	3	3	3	1
8	3	3	3	3	2	3	3	3	3	2	****	****	3	3	2	2	2	2	2	3	2	2	2	2	3
9	2	2	2	1	1	2	2	2	2	1	2	1	2	2	2	2	2	2	2	2	2	2	2	1	2
10	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	3	3	3	3	2
11	2	2	2	2	2	2	2	2	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
12																									
13																									
14																									
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26																									
27																									
28																									
29																									
30																									
MEAN	2	2	2	1	2	2	2	2	2	1	2	1	2	2	2	1	1	2	2	2	2	2	2	2	1.7

PERCENTAGE OF DATA VALID - 33.9      PERCENTAGE OF DATA INVALID - 66.1      PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT										UNITS - 0.01 PARTS/MILLION									
STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA																			
MONTH		NO OF DAYS		AVERAGE CONCENT				24-HOUR MAXIMUM				MAXIMUM READING							
JAN				DATA UNAVAILABLE															
FEB				DATA UNAVAILABLE															
MAR				DATA UNAVAILABLE															
APR				DATA UNAVAILABLE															
MAY				DATA UNAVAILABLE															
JUN				DATA UNAVAILABLE															
JUL				DATA UNAVAILABLE															
AUG		20		2.7				4				7							
SEP		29		2.4				4				12							
OCT		28		2.4				4				7							
NOV		10		1.7				3				3							
DEC				DATA UNAVAILABLE															
YEAR		87		2.4				4				12							

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14064

CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	DATA UNAVAILABLE							
FEB	DATA UNAVAILABLE							
MAR	DATA UNAVAILABLE							
APR	DATA UNAVAILABLE							
MAY	DATA UNAVAILABLE							
JUN	DATA UNAVAILABLE							
JUL	DATA UNAVAILABLE							
AUG	56	333	114	1	0	0	0	504
SEP	193	370	123	10	1	0	0	697
OCT	191	354	155	1	0	0	0	701
NOV	79	165	0	0	0	0	0	244
DEC	DATA UNAVAILABLE							
YEAR	519	1222	392	12	1	0	0	2146

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
73.3	0	0.3	1.2	1.7	2.4	3.7	4.4	4.9	5.6	12	2.4

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 15001

WESTERN FAIR GROUNDS KING/RECTORY, LONDON

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	4	2	2	1	2	2	3	3	2
2	3	3	2	2	1	1	2	2	3	3	2	2	2	3	3	2	2	3	3	3	2	2	3	3	2
3	3	3	3	3	3	3	3	3	3	***	***	3	3	3	2	3	3	4	4	4	3	4	4	4	3
4	4	4	3	4	5	5	4	4	3	3	3	3	3	3	***	4	4	4	4	4	4	4	4	4	4
5	4	4	4	4	4	4	4	4	4	4	5	5	4	5	5	5	5	5	5	4	4	4	4	4	4
6	4	4	4	4	4	4	3	4	4	3	3	3	3	3	3	3	3	3	4	4	3	3	3	3	3
7	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	3
8	4	5	5	5	5	5	5	4	4	4	4	4	4	4	4	3	2	2	2	2	2	1	1	1	3
9	1	1	1	1	1	1	1	1	2	1	1	1	1	2	1	1	2	2	2	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1
11	1	2	2	2	2	2	2	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	3	3	3
12	3	3	3	4	4	5	5	4	4	4	4	4	4	5	5	5	5	5	4	4	4	4	4	4	4
13	3	3	3	4	4	4	4	4	4	4	3	3	4	3	***	4	4	4	3	3	2	2	2	2	3
14	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2
15	3	3	4	4	3	3	3	3	4	3	2	1	2	2	2	2	3	4	3	3	3	3	4	4	3
16	4	***	4	4	4	4	4	4	4	4	4	4	-	-	-	4	4	4	4	4	4	4	4	4	4
17	4	5	5	5	4	4	4	4	4	3	3	3	4	3	3	3	3	3	3	3	3	2	2	2	3
18	2	1	1	1	1	1	2	3	3	3	1	2	2	2	2	2	3	4	4	4	4	4	4	4	3
19	4	4	4	4	4	4	4	5	4	4	4	4	3	3	2	3	3	3	3	3	2	2	2	2	3
20	2	2	2	2	2	2	2	2	2	3	3	3	3	2	***	2	2	2	3	3	3	3	3	3	2
21	2	2	2	2	2	1	2	2	3	3	2	2	3	3	2	3	3	4	3	3	4	4	4	4	3
22	4	4	4	4	4	3	3	3	4	4	4	4	6	6	5	5	5	5	5	4	4	5	5	5	4
23	4	4	4	4	4	4	4	5	5	5	***	4	4	4	5	5	6	7	7	7	7	6	6	5	5
24	5	5	5	5	5	5	4	5	4	5	5	5	5	5	5	6	7	6	5	5	5	5	5	5	5
25	5	4	4	4	4	3	3	3	3	3	4	4	5	4	4	5	5	5	5	5	4	3	3	3	4
26	3	2	2	2	3	3	3	3	2	2	2	2	2	2	1	1	2	2	2	2	2	1	1	1	2
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	1
28	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
29	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2
30	1	1	1	1	1	1	2	2	3	2	2	-	2	2	2	3	3	4	4	4	4	4	3	4	2
31	4	4	4	5	5	5	5	5	5	5	4	4	4	4	4	3	3	3	3	3	4	4	4	4	4
MEAN	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3.0

PERCENTAGE OF DATA VALID - 98.5

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY, LONDON															MONTH - FEB 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	3	2	2	3	3	4	3	4	3	3	3	3	4	5	5	5	5	6	5	5	6	4
2	5	5	5	4	4	4	5	5	5	5	5	4	4	4	4	4	4	4	4	4	5	4	4	4	4
3	2	2	2	2	2	2	4	4	4	6	7	6	4	4	3	3	3	4	4	4	4	4	4	4	4
4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	4	4	4	4	5	5	5	4
5	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	4	3	3	3	3	3	2	2	2	3
6	2	2	2	2	2	2	1	2	3	2	2	1	2	2	1	1	2	2	3	2	2	1	1	1	2
7	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	4	4	4	4	4	4	2
8	4	3	3	3	4	4	4	3	4	4	4	4	5	3	3	4	4	5	5	5	5	5	4	4	4
9	4	4	4	4	4	4	4	4	4	4	4	2	2	2	2	2	3	3	4	4	4	3	3	3	3
10	3	3	3	3	4	3	4	4	4	4	4	3	4	3	3	3	3	4	7	7	6	6	5	5	4
11	4	4	4	4	3	3	4	4	4	4	4	4	3	3	2	2	3	3	3	3	3	3	3	3	3
12	3	3	2	2	2	2	2	1	2	2	2	1	2	2	2	2	2	2	2	3	3	3	2	2	2
13	2	2	2	3	3	3	3	3	3	3	3	2	2	2	-	3	3	3	3	3	3	2	2	2	3
14	2	2	2	1	1	1	2	3	3	3	2	2	2	1	1	2	2	3	4	4	4	4	4	3	2
15	4	4	5	5	6	7	6	6	5	5	5	4	4	4	4	4	5	5	5	5	5	5	4	4	5
16	3	3	3	2	4	4	4	5	5	4	4	4	4	4	4	5	5	5	5	5	5	4	4	4	4
17	3	3	3	3	3	4	4	4	4	4	4	4	4	5	4	4	5	5	5	5	4	4	4	4	5
18	6	5	5	5	5	5	5	4	4	4	4	5	5	5	4	4	5	4	4	4	4	4	4	4	4
19	4	4	3	4	3	3	4	4	5	6	3	2	2	2	2	2	2	3	4	4	5	7	7	7	4
20	6	5	4	3	3	3	3	4	5	4	5	4	4	4	4	5	4	4	4	6	6	6	7	7	5
21	6	6	6	6	7	7	7	7	8	9	8	6	4	3	2	2	3	3	3	3	4	3	3	2	5
22	2	2	2	3	2	3	3	2	3	3	2	2	2	2	2	2	2	2	3	4	3	4	4	3	3
23	3	4	4	4	4	4	4	5	5	5	4	4	4	4	4	4	4	6	5	5	4	4	5	5	4
24	5	4	3	2	2	3	3	3	4	4	4	4	4	4	5	4	5	5	5	5	4	5	4	4	4
25	3	3	3	2	2	3	3	3	4	4	3	3	3	3	3	2	3	3	2	2	2	2	2	2	3
26	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	3	2
27	3	3	3	2	2	2	2	2	3	3	2	2	2	2	2	3	3	4	4	4	4	3	4	5	3
28	4	4	4	4	4	3	4	5	5	5	-	4	3	3	3	3	3	3	4	4	5	6	4	4	4
MEAN	3	3	3	3	3	3	4	4	4	4	4	3	3	3	3	3	3	4	4	4	4	4	4	4	3.5

PERCENTAGE OF DATA VALID - 98.4 PERCENTAGE OF DATA INVALID - 1.3 PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY, LONDON															MONTH - MAR 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	3	3	3	3	2	2	3	3	2	2	2	2	2	2	2	2	2	3	3	3	3	4	4	3
2	4	4	4	4	3	3	4	4	4	4	4	3	2	2	3	3	5	6	6	6	6	6	6	6	4
3	4	3	3	2	2	2	2	3	3	3	3	2	2	3	3	3	3	3	3	3	3	3	2	2	3
4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	3	3	3	2
5	3	2	2	1	2	3	3	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	2
6	3	3	3	3	4	4	4	4	5	5	3	3	2	2	2	2	3	3	3	4	4	5	6	6	4
7	5	3	2	2	1	2	3	5	6	3	3	4	2	2	1	2	2	2	2	4	4	4	4	4	3
8	3	3	2	3	3	3	4	5	4	3	3	2	2	2	3	3	3	3	5	6	7	7	7	7	5
9	6	6	6	6	5	5	5	7	8	7	6	5	6	5	6	6	7	7	8	10	10	10	8	7	7
10	6	6	6	6	7	7	7	7	7	6	3	3	3	3	3	3	4	5	5	5	5	5	5	5	5
11	7	7	6	4	3	4	4	5	7	6	6	6	8	9	9	7	9	9	10	11	11	12	14	13	8
12	11	9	6	5	3	3	3	3	2	2	2	1	2	3	3	3	2	2	3	4	4	4	4	4	4
13	5	4	4	4	4	4	4	5	5	5	4	4	4	5	4	4	5	5	6	5	4	5	6	4	5
14	3	3	3	3	2	2	3	3	5	5	4	3	4	4	4	4	5	5	3	3	3	3	2	3	3
15	2	2	2	1	1	1	2	3	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3	3	3
16	2	3	2	2	2	2	2	4	3	3	2	3	3	3	3	4	5	6	6	5	4	4	5	5	4
17	3	3	2	2	2	3	4	4	4	4	5	4	4	4	4	3	4	4	4	4	4	3	3	2	4
18	5	4	4	4	3	3	4	4	3	3	4	4	4	4	4	3	4	4	4	4	4	3	3	2	2
19	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	3	3	2
20	3	4	5	5	5	4	6	6	5	4	3	3	3	4	4	5	6	6	6	6	5	4	4	4	5
21	3	4	4	3	5	5	4	5	4	4	4	4	3	3	3	3	4	3	3	3	3	4	3	3	4
22	2	2	1	2	2	3	3	4	4	4	4	4	3	4	4	5	5	5	5	5	5	4	3	4	4
23	2	2	2	2	1	1	2	2	3	3	3	3	3	3	3	3	3	4	4	5	5	4	1	1	3
24	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	2	2	2	2	1
25	2	2	2	1	1	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2
26	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	3	3	2	2	3	2	3	4	3
27	3	3	3	3	3	2	3	3	2	3	2	2	2	3	3	3	3	3	2	2	3	2	3	4	3
28	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	4	4	4	4	5	4	4	3	3	3
29	3	2	2	2	1	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	3	4	4	2
30	4	4	3	3	3	3	3	3	4	3	2	2	2	2	3	3	4	4	4	5	5	4	4	4	3
31	4	4	4	4	4	5	6	6	5	5	5	4	4	4	5	6	6	5	5	5	4	4	4	5	5
MEAN	4	3	3	3	3	3	3	4	4	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	3.4

PERCENTAGE OF DATA VALID - 98.0 PERCENTAGE OF DATA INVALID - 1.9 PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY.LONDON															MONTH - JUL 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	2	2	2	3	2	2	2	2	2
8	2	2	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1	2	1	2	1	1	1	1
9	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	3	3	4	4	3	2
10	2	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
11	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	1
12	2	2	2	2	2	2	3	5	4	2	2	2	1	1	1	2	2	2	2	2	3	3	2	2	2
13	1	1	1	1	2	3	4	4	3	3	2	2	2	2	3	3	3	2	3	3	3	3	3	1	2
14	2	2	1	1	1	1	2	2	1	1	1	1	1	1	2	2	2	1	2	2	3	4	4	4	2
15	3	3	3	3	3	4	3	2	2	2	2	2	1	1	1	2	2	2	2	2	2	2	1	1	2
16	2	1	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1
18	2	2	2	2	2	1	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2
19	2	1	2	3	3	4	4	4	3	3	2	2	2	3	3	4	3	3	4	4	4	4	3	3	3
20	2	1	2	2	3	3	4	4	3	3	2	2	2	2	2	3	2	2	2	3	4	4	3	2	3
21	2	1	2	2	1	2	2	3	3	3	3	3	2	3	3	2	2	2	3	4	4	4	3	3	3
22	3	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	3	2	2	2	2	1	2
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1
24	2	1	1	1	1	2	2	3	2	1	1	1	1	1	1	1	1	1	1	2	4	5	5	4	2
25	3	3	3	2	3	3	3	4	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2
26	2	1	1	1	2	2	3	2	2	2	3	2	2	2	2	2	2	3	2	4	4	2	2	2	2
27	3	2	2	2	2	2	2	3	3	3	3	3	2	3	3	4	3	2	3	3	2	1	1	1	2
28	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	2	1
29	2	1	1	1	1	2	2	1	2	2	2	2	2	2	2	2	1	1	1	1	2	1	1	1	2
30	1	2	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	2	2	2	2	2	1
31	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	2	2	1	2	3	4	3	2	2	2
MEAN	2	1	1	1	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	3	3	2	2	1.8

PERCENTAGE OF DATA VALID - 77.4

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 21.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY,LONDON															MONTH - AUG 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	2	3	2	3	4	4	3	2	2	2	2	3	3	3	2	2	2	3	4	4	2	2	3
2	1	1	1	2	1	2	4	3	3	2	2	2	2	2	2	3	3	3	3	2	2	3	2	2	2
3	2	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1
4	1	1	1	0	1	1	2	1	1	1	0	0	1	1	1	1	1	1	1	1	2	3	4	4	2
5	3	3	3	3	2	2	2	3	2	1	1	1	1	1	1	1	1	1	2	2	3	3	4	4	2
6	3	3	3	3	3	2	2	2	1	1	1	1	2	2	2	1	1	1	1	2	3	5	6	5	2
7	5	5	4	3	2	1	2	1	2	2	1	1	1	1	1	1	1	1	2	2	1	2	2	2	2
8	3	2	2	2	2	2	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****
9																									
10																									
11																									
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26																									
27																									
28																									
29																									
30																									
31																									
MEAN	3	2	2	2	2	2	3	2	2	1	1	1	1	2	2	2	1	2	2	2	2	3	3	3	2.0

PERCENTAGE OF DATA VALID - 23.8

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 76.2

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY, LONDON

MONTH - OCT 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
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12																									
13																									
14																									
15																									
16																									
17																									
18																									
19																									
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6	6	7	8	7	6	7	6	6	6
21	6	6	6	6	6	5	4	5	5	5	6	6	7	6	6	7	7	9	8	6	7	7	6	6	6
22	7	8	4	6	3	4	6	7	6	6	5	5	6	7	8	7	6	6	5	4	6	6	4	3	6
23	0	0	0	0	0	1	2	2	2	2	3	2	2	2	2	3	3	3	3	1	1	3	3	2	2
24	4	5	5	4	4	5	5	5	5	4	4	4	5	5	5	5	6	7	7	6	6	6	6	6	5
25	7	5	3	2	3	4	6	6	5	5	5	5	6	7	7	7	7	6	4	5	5	5	5	3	5
26	3	2	2	2	2	2	3	2	3	3	3	3	3	3	3	4	4	4	5	4	3	3	3	3	4
27	2	2	1	2	3	4	5	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	2	3
28	4	4	3	3	3	3	3	3	3	2	2	2	2	1	1	2	2	2	3	3	3	3	3	3	4
29	3	3	3	3	3	3	3	3	1	1	1	1	1	1	1	1	2	3	3	2	2	3	3	3	2
30	2	3	2	2	2	3	3	3	4	5	5	5	4	4	4	5	5	7	6	5	5	5	6	6	4
31	6	6	6	6	6	5	5	5	5	4	4	3	3	3	2	2	3	3	3	2	2	2	2	3	4
MEAN	4	4	3	3	3	4	4	4	4	4	4	4	4	4	4	4	5	5	5	4	4	5	4	4	4.1

PERCENTAGE OF DATA VALID - 36.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 63.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY, LONDON

MONTH - NOV 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	3	2	2	2	3	3	4	4	3	3	4	4	5	5	5	5	5	4	5	4	4	4
2	4	4	3	3	3	3	4	4	4	4	4	4	4	5	5	6	7	8	8	7	6	6	5	5	5
3	5	5	4	3	4	5	5	6	7	9	10	7	6	6	5	5	6	8	8	7	8	7	6	6	5
4	5	5	4	4	4	5	6	6	10	11	10	8	9	6	5	5	6	8	8	7	7	7	8	11	7
5	14	14	14	11	7	6	7	7	7	7	6	6	7	6	6	6	6	7	6	7	6	7	5	5	4
6	3	2	2	2	3	3	3	3	3	3	3	2	2	2	2	3	3	3	3	3	3	3	3	3	3
7	3	2	2	1	1	1	2	2	3	2	2	1	1	1	1	1	2	3	3	3	3	3	2	2	2
8	2	2	2	2	2	2	3	3	5	4	3	3	3	3	3	4	5	4	4	4	4	3	3	3	3
9	2	2	2	2	2	3	3	4	4	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	3
10	6	8	8	6	5	5	4	5	6	7	6	5	5	5	5	5	5	5	5	5	4	5	6	5	6
11	5	4	4	5	6	6	5	5	4	4	4	4	6	5	4	4	4	5	4	3	2	2	1	1	4
12	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1	1	1
13	1	1	1	1	1	1	2	2	3	3	3	3	4	4	4	5	5	5	6	5	5	5	5	5	3
14	4	3	2	2	2	2	3	3	3	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
15	2	2	1	1	2	2	2	3	3	3	2	2	2	2	2	3	3	3	3	3	3	3	3	2	2
16	3	3	2	2	2	3	3	2	3	2	1	2	2	2	2	3	3	3	3	3	3	3	3	3	2
17	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	3	4	4	4	4	4	3	3	3	3
18	2	2	2	2	1	1	2	2	2	2	2	3	3	3	3	3	4	4	4	4	3	3	3	2	2
19	2	2	2	2	2	2	2	1	1	1	2	2	2	2	2	2	2	3	3	3	3	3	3	3	2
20	3	3	3	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
21	2	2	2	2	2	2	3	3	2	2	2	2	2	2	3	3	4	3	2	2	2	3	3	2	2
22	3	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	4	3	4	3	4	3	3
23	4	4	3	3	3	3	3	4	4	3	4	4	5	4	4	4	4	4	4	4	3	3	3	3	4
24	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
25	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	2	2	2
26	2	2	2	1	1	1	1	2	1	2	1	1	2	2	2	3	3	3	3	3	3	3	2	2	2
27	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	2
28	4	3	3	3	3	3	3	3	3	2	2	3	3	3	3	4	4	4	4	4	3	3	3	3	4
29	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3
30	1	1	1	1	1	1	1	1	2	2	3	3	3	3	3	3	4	4	4	4	5	4	4	4	3
MEAN	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	3	3	3	3.3

PERCENTAGE OF DATA VALID - 98.6

PERCENTAGE OF DATA INVALID - 1.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY, LONDON															MONTH - DEC 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	3	3	3	4	4	4	3	3	3	4	****	4	4	5	4	4	4	4	4	3	2	4
2	3	2	2	2	1	2	3	3	3	3	3	3	3	3	3	3	4	5	4	4	5	5	4	3	3
3	4	4	3	2	2	2	2	2	2	3	3	3	3	3	3	3	4	5	4	4	4	3	3	3	3
4	3	3	3	4	3	3	3	3	3	3	3	3	3	****	3	3	4	3	3	4	3	3	3	2	3
5	2	2	2	2	2	2	2	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
6	3	3	3	3	3	3	3	3	3	4	3	4	3	4	4	4	4	4	4	4	4	4	4	3	4
7	2	2	2	2	2	2	3	3	3	3	3	4	4	****	4	4	4	4	4	4	5	5	5	6	3
8	6	5	5	5	4	4	3	3	4	3	3	3	3	3	3	3	3	3	3	4	4	3	3	3	4
9	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
10	3	3	2	2	2	2	2	2	2	3	3	3	3	3	3	3	****	4	3	3	3	3	3	3	3
11	3	3	4	3	3	3	4	4	3	3	****	4	4	4	4	5	4	4	4	4	3	3	3	3	4
12	3	3	3	3	3	3	3	4	4	3	3	3	4	4	3	4	4	4	4	4	4	4	4	3	3
13	3	3	2	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
14	- DATA INVALID -														3	3	3	3	3	3	3	3	3	3	****
15	****	****	****	****	****	****	****	****	****	****	3	3	3	4	4	4	3	3	3	3	3	3	3	3	4
16	4	4	3	3	4	3	3	4	3	3	3	3	4	4	4	4	4	5	5	4	4	3	4	4	4
17	3	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3	3	3	3	3	3	3	2
18	2	2	2	2	2	3	3	3	3	3	3	4	3	3	3	4	3	3	3	3	2	2	2	3	3
19	3	2	2	2	2	2	3	3	4	****	3	3	3	2	2	3	3	3	3	3	3	3	3	3	3
20	3	3	3	3	3	****	****	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	3	3	3
21	3	3	3	3	3	2	2	2	2	2	2	2	2	2	3	4	4	4	4	3	3	3	3	3	3
22	4	3	3	3	4	4	4	4	3	****	3	3	3	3	3	3	4	3	3	3	3	3	3	3	4
23	2	2	3	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	6	5	7	6	6	5
24	5	6	5	5	4	3	4	4	4	5	6	6	5	4	4	5	6	7	6	8	7	7	5	6	5
25	6	6	5	5	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	3
26	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3	3	3
27	2	2	2	2	2	2	3	3	3	3	3	2	2	2	2	3	3	3	3	2	2	3	4	4	3
28	3	2	2	2	2	2	3	3	3	****	3	3	3	2	3	3	4	4	4	4	4	4	4	4	3
29	4	4	4	4	4	4	4	3	3	3	3	3	4	3	3	3	4	4	4	4	3	3	3	3	4
30	4	3	3	3	3	4	4	4	4	5	5	5	5	4	4	4	5	4	5	4	3	3	3	3	4
31	4	3	3	3	3	3	4	5	5	5	4	4	5	4	3	5	4	4	4	4	4	5	4	4	4
MEAN	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	3	3	3.2

PERCENTAGE OF DATA VALID - 91.0

PERCENTAGE OF DATA INVALID - 9.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT					UNITS - 0.01 PARTS/MILLION				
STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY, LONDON									
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING					
JAN	31	3.0	5	7					
FEB	28	3.5	5	9					
MAR	31	3.4	8	14					
APR	30	3.0	5	8					
MAY	11	2.7	4	7					
JUN		DATA UNAVAILABLE							
JUL	24	1.8	3	5					
AUG	7	2.0	3	6					
SEP		DATA UNAVAILABLE							
OCT	11	4.1	6	9					
NOV	30	3.3	7	14					
DEC	28	3.2	5	8					
YEAR	231	3.1	8	14					

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY, LONDON

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	105	339	283	6	0	0	0	733
FEB	33	285	323	20	0	0	0	661
MAR	68	371	254	30	5	1	0	729
APR	92	386	224	9	0	0	0	711
MAY	22	176	66	1	0	0	0	265
JUN	DATA UNAVAILABLE							
JUL	235	306	35	0	0	0	0	576
AUG	67	96	14	0	0	0	0	177
SEP	DATA UNAVAILABLE							
OCT	19	102	123	26	0	0	0	270
NOV	68	410	194	35	3	3	0	710
DEC	11	445	216	5	0	0	0	677
YEAR	717	2916	1732	132	8	4	0	5509

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
75.3	0	0.8	1.7	2.4	3.2	4.5	5.3	6.4	7.0	14	3.1

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22071

EXPERIMENTAL FARM SIMCOE

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1												-	-	-	-	-	-	-	-	-	-	-	-	-	-
2												-	-	-	-	-	-	-	-	-	-	-	-	-	-
3												-	-	-	-	-	-	-	-	-	-	-	-	-	-
4												-	-	-	-	-	-	-	-	-	-	-	-	-	-
5												-	-	-	-	-	-	-	-	-	-	-	-	-	-
6												-	-	-	-	-	-	-	-	-	-	-	-	-	-
7												-	-	-	-	-	-	-	-	-	-	-	-	-	-
8												-	-	-	-	-	-	-	-	-	-	-	-	-	-
9												-	-	-	-	-	-	-	-	-	-	-	-	-	-
10												-	-	-	-	-	-	-	-	-	-	-	-	-	-
11												-	-	-	-	-	-	-	-	-	-	-	-	-	-
12												-	-	-	-	-	-	-	-	-	-	-	-	-	-
13												-	-	-	-	-	-	-	-	-	-	-	-	-	-
14												-	-	-	-	-	-	-	-	-	-	-	-	-	-
15												-	-	-	-	-	-	-	-	-	-	-	-	-	-
16												-	-	-	-	-	-	-	-	-	-	-	-	-	-
17												-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	1	1	1	1	1	1	0	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
19	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	2	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
22	2	2	1	0	0	0	1	1	2	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1
23	2	2	2	2	2	2	2	3	3	2	2	1	1	1	1	2	3	3	3	3	3	3	3	3	2
24	2	2	2	3	3	3	4	4	4	2	2	2	2	2	2	3	3	3	2	2	3	4	4	3	3
25	2	2	2	2	2	2	2	2	3	2	2	2	2	2	4	3	3	3	2	2	2	3	3	2	2
26	3	2	2	1	2	2	2	2	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1
31	1	1	1	2	1	2	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 45.7

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 53.6

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-." INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 22071 EXPERIMENTAL FARM SIMCOE															MONTH - FEB 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	1
2	2	2	2	2	2	2	2	3	2	2	1	1	1	2	2	2	3	3	4	3	1	1	1	1	2
3	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	2	2	1	1	1	1	1	1
4	1	2	2	2	2	2	2	2	1	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
9	2	3	3	3	2	2	1	1	1	0	0	1	1	1	1	0	0	1	0	1	1	1	1	1	1
10	1	1	0	1	1	1	1	1	0	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
11	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	0	0	0	1	2	1	1	1	1
12	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0
13	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
14	2	2	2	2	1	1	1	1	0	0	0	0	0	0	0	0	1	3	3	4	5	5	3	2	3
15	2	2	3	3	3	3	3	3	2	1	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
16	2	2	2	2	3	3	3	3	2	1	1	1	1	1	1	1	2	2	3	3	4	4	3	4	2
17	2	2	1	2	2	3	3	3	2	2	2	1	1	1	1	2	3	3	2	2	2	2	2	2	2
18	3	2	2	2	1	2	2	2	2	2	1	1	1	1	1	1	1	1	2	4	4	4	4	4	2
19	2	1	1	2	2	2	2	1	1	1	1	1	1	1	1	2	1	2	2	2	2	2	2	2	2
20	3	3	2	3	3	2	3	3	4	3	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
23	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
24	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
28	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
MEAN	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1.4

PERCENTAGE OF DATA VALID - 56.0

PERCENTAGE OF DATA INVALID - 36.8

PERCENTAGE OF DATA UNAVAILABLE - 7.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - WC NO 22071 EXPERIMENTAL FARM SIMCOE												MONTH - MAR 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1												- DATA UNAVAILABLE -													
2												- DATA UNAVAILABLE -													
3												- DATA UNAVAILABLE -													
4												- DATA UNAVAILABLE -													
5												- DATA UNAVAILABLE -													
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	1	1	1	1	1	1	1	.....
7	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	2	2	1	1	1	1	1	1
8	1	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	2	2	2	2	2	2	2	3	2	1	.....	.....	1	1	1	1	2	2	2	2	1	1	2
10	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	3	2	2	3	3	2	2	2	2	2
11	1	2	2	2	1	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
12	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	2	1	1	1	1	1	1	1	1	1	.....	.....	0	1	1	1	1	1	2	2	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	.....	.....	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	.....	.....	.....	.....	1	1	1	2	2	2	1	1	1	1
18	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	2	2	2	2	3	2	2	2	3	2
21	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	2	2	2	2
22	2	2	2	2	2	2	3	3	3	.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.....
23	-	-	-	-	-	-	-	-	-	-	-	.....	.....	.....	1	1	1	1	2	2	2	2	3	1	.....
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2
26	2	2	2	2	1	1	2	1	2	2	2	2	1	2	2	2	2	2	2	3	3	2	2	2	2
27	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	1	1	1	2
28	1	2	2	2	2	2	2	1	2	2	.....	2	1	1	1	1	2	2	2	2	3	2	2	1	2
29	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2	2	2	2	2	2	2	1	1
31	1	1	1	2	1	2	2	2	2	2	.....	2	1	2	2	2	2	2	2	2	2	2	2	2	2
MEAN	1	1	1	1	1	1	2	1	2	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1.4

PERCENTAGE OF DATA VALID - 76.6

PERCENTAGE OF DATA INVALID - 1.7

PERCENTAGE OF DATA UNAVAILABLE - 21.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

## POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT UNITS - 0.01 PARTS/MILLION

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. "-.-" INDICATES DATA IS UNAVAILABLE  
3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT UNITS - 0.01 PARTS/MILLION

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. "-" INDICATES DATA IS UNAVAILABLE  
3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - WC NO 22071						EXPERIMENTAL FARM SIMCOE						MONTH - JUN 78													
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
DAY																									
1												-	DATA UNAVAILABLE	-											
2												-	DATA UNAVAILABLE	-											
3												-	DATA UNAVAILABLE	-											
4												-	DATA UNAVAILABLE	-											
5												-	DATA UNAVAILABLE	-											
6												-	DATA UNAVAILABLE	-											
7												-	DATA UNAVAILABLE	-											
8												-	DATA UNAVAILABLE	-											
9												-	DATA UNAVAILABLE	-											
10												-	DATA UNAVAILABLE	-											
11												-	DATA UNAVAILABLE	-											
12												-	DATA UNAVAILABLE	-											
13												-	DATA UNAVAILABLE	-											
14												-	DATA UNAVAILABLE	-											
15												-	DATA UNAVAILABLE	-											
16	-	-	-	-	-	-	-	2	1	1	1	1	2	2	2	2	2	3	2	2	2	2	2	2	2
17	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
19	1	1	1	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	
20	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	
21	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	
22	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	2	2	1	1	
24	3	3	3	3	3	2	2	2	2	2	1	1	2	2	1	1	1	1	1	2	3	2	2	2	
25	2	2	3	2	2	1	2	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	
26	1	1	1	1	1	1	1	1	***	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	
27	1	1	2	2	2	2	2	2	2	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	
29	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	
30	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	
MEAN	1	1	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1.3	

PERCENTAGE OF DATA VALID - 48.9 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 51.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. --\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - WC NO 22071						EXPERIMENTAL FARM SIMCOE						MONTH - JUL 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	
2	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
3	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2
5	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1
6	2	2	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1
7	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	2	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1
13	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	2	2	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1
19	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1
20	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1
21	1	1	1	1	1	1	1	1	1	....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	2	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1
28	0	1	1	0	0	1	1	1	1	1	0	0	....	....	1	1	1	1	1	2	2	1	1	2	1
29	2	2	1	1	1	2	2	1	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.4 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. --\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - WC NO 22071													MONTH - AUG 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	2	2	2	2	2	3	2	1	****	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2
2	1	1	1	1	1	1	2	2	1	1	2	1	1	1	1	1	1	1	1	2	2	1	1	1	1
3	1	1	1	1	1	1	1	2	1	****	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	2	2	2	1	1
5	1	1	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1
6	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	2	2	2
7	1	1	1	1	2	2	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	****	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1
11	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	2	1	1	3	3	1
12	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1
15	1	1	1	1	1	1	2	2	****	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
20	1	1	1	1	1	1	1	1	1	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	2	2	1	1	2	1
22	2	1	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	0	0	0	1	1	1	1	1	1
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1
31	2	2	2	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 99.5      PERCENTAGE OF DATA INVALID - 0.5      PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - WC NO 22071													MONTH - SEP 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	2	2	2	1	1	2	2	2	1	1	1	2	2	3	2	1	1
2	1	2	2	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1
4	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1
5	1	1	1	1	1	1	1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	2	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	2	2	2	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1
9	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	***	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	0	1	1	1	1
13	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
17	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
18	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1
19	1	1	1	2	3	2	2	2	2	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	2	2	2	2	2	2	2	1	1
23	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	3	3	2	1	2	1	1	2	2	2
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1
26	2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1
27	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2	2	2	2	2	1	2	1
28	0	0	0	0	0	1	1	1	1	1	1	1	1	***	1	1	1	1	1	1	1	1	1	2	1
29	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	3	4	3	2	1	3	2	1	1	2
30	2	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	2	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 99.6      PERCENTAGE OF DATA INVALID - 0.3      PERCENTAGE OF DATA UNAVAILABLE - 0.1

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - WC NO 22071 EXPERIMENTAL FARM SIMCOE														MONTH - OCT 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	2	2	2	3	3	2	2	2	2
3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1
5	1	1	1	1	1	1	2	2	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0
7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0
8	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
10	1	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	3	3	4	3	3	2	1	2
11	1	1	2	2	2	2	3	3	2	3	2	3	3	2	3	3	4	3	3	2	3	2	2	2	2
12	1	2	1	1	1	1	1	1	1	2	2	1	1	2	2	2	2	2	2	1	2	2	1	1	2
13	1	1	1	1	1	2	2	2	2	1	1	2	2	2	2	2	3	3	2	2	1	1	1	1	2
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	2	2	2	2	2
16	2	2	3	3	3	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2
17	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	3	2	3	4	4	3	3	3	3
18	2	2	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2
19	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	1	2	2	2	2	2	3	2	2	2
20	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	2	2	3	2	3	2	2	2
21	2	2	2	2	2	2	3	3	2	2	2	2	3	3	3	2	3	3	3	2	2	2	2	2	2
22	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2
23	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	2	2	1	1	2	1	1	1	1
25	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	2
26	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
28	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1
30	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	3	2	2	1	1	2
31	2	2	3	3	3	3	4	3	3	3	2	2	2	3	2	2	1	1	1	1	1	1	1	1	2
MEAN	1	1	2	1	1	1	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1.5

PERCENTAGE OF DATA VALID - 95.6

PERCENTAGE OF DATA INVALID - 4.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - WC NO 22071 EXPERIMENTAL FARM SIMCOE												MONTH - NOV 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	2	2	1	2	2	3	3	4	4	3	2	3	3	3	3	3	2
2	2	2	1	1	2	2	3	3	3	2	2	2	2	2	3	3	4	4	4	4	4	3	2	3	3
3	2	3	2	2	2	2	2	2	3	3	2	2	2	2	2	3	4	3	8	7	6	4	3	3	3
4	2	2	3	3	3	3	3	3	3	3	3	4	3	3	3	3	4	3	3	3	3	3	2	2	3
5	3	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2
6	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	2	3	3	3	3	3	3	3	2
8	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	2	3	3	3	3	2	3	3	2
9	3	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	2	3	3	3	3	2
10	3	4	3	3	3	3	3	3	3	3	3	3	3	3	2	4	4	5	5	5	5	4	4	4	4
11	4	4	4	4	4	4	4	4	3	3	2	2	2	2	2	2	3	2	2	2	2	1	1	1	3
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	0	1	1	1	1	1	1	1	1	1	2	3	3	3	3	3	3	2	3	2	2
14	3	3	3	2	1	1	1	1	1	1	1	2	1	2	2	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2
16	2	2	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
17	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
18	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1
19	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	2	1
20	2	1	1	1	1	2	1	2	1	1	1	1	3	2	1	1	2	2	2	2	2	1	1	4	2
21	4	4	3	3	3	3	3	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
22	1	2	1	1	1	1	1	2	2	2	2	1	1	1	1	1	2	2	2	3	4	4	3	3	2
23	3	3	2	2	2	2	2	2	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3
24	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2
25	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	3	3	2
27	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2
28	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	2	2
29	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2
30	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2.0

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION												
STATION - WC NO 22071 EXPERIMENTAL FARM SIMCOE												MONTH - DEC 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	4	3	2	2	4	4	4	3
2	3	1	1	1	1	1	1	1	1	1	1	1	4	4	4	4	4	5	5	4	4	5	6	3
3	2	1	1	1	1	1	1	1	1	1	1	2	1	1	2	2	3	3	3	3	2	2	2	2
4	2	1	1	1	1	2	3	3	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	2	2	1
6	2	3	3	3	3	3	3	3	3	3	2	2	2	2	***	2	2	3	3	4	4	3	4	3
7	3	3	3	2	1	2	1	2	3	***	2	2	2	2	2	3	3	3	3	3	3	3	3	4
8	4	3	3	3	3	4	4	4	3	3	2	2	2	2	2	3	3	3	3	3	3	3	3	3
9	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	2
10	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	2	2	2	1
11	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	2	3	3	3	2	2	2	3	2
12	2	2	2	3	3	2	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2
13	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2
14	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1
15	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2
16	2	3	3	3	3	3	3	3	2	2	2	3	2	2	3	3	4	4	3	4	3	3	3	3
17	3	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1
20	1	2	2	3	4	3	3	3	3	2	***	2	3	3	3	3	3	3	3	3	3	3	3	4
21	4	3	3	3	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	2
22	3	3	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2
23	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	2	3	3	3	2	2	2	2	2
24	2	2	1	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
25	2	2	2	2	2	2	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	3	4	1
29	4	4	4	4	4	4	4	4	3	3	2	2	2	2	3	4	4	3	3	3	3	2	2	3
30	2	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	4	4	4	4	4	4	4	3
31	4	4	4	4	3	3	3	3	3	3	2	2	2	2	2	2	3	3	3	2	2	2	2	3
MEAN	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	1.9

PERCENTAGE OF DATA VALID - 99.5      PERCENTAGE OF DATA INVALID - 0.5      PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22071 EXPERIMENTAL FARM SIMCOE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	14	1.1	3	4
FEB	15	1.4	2	5
MAR	23	1.4	2	3
APR	19	1.5	2	6
MAY	22	1.2	2	5
JUN	15	1.3	2	3
JUL	31	1.1	2	3
AUG	31	1.1	2	3
SEP	30	1.1	2	4
OCT	29	1.5	3	4
NOV	30	2.0	4	8
DEC	31	1.9	3	6
YEAR	290	1.4	4	8

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22071 EXPERIMENTAL FARM SIMCOE

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	223	106	11	0	0	0	0	340
FEB	207	155	14	0	0	0	0	376
MAR	345	225	0	0	0	0	0	570
APR	305	154	20	0	0	0	0	479
MAY	428	100	4	0	0	0	0	532
JUN	249	103	0	0	0	0	0	352
JUL	630	111	0	0	0	0	0	741
AUG	626	114	0	0	0	0	0	740
SEP	588	128	1	0	0	0	0	717
OCT	421	285	5	0	0	0	0	711
NOV	283	398	35	2	0	0	0	718
DEC	337	348	55	0	0	0	0	740
YEAR	4642	2227	145	2	0	0	0	7016

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
80.1	0	0.1	0.4	0.7	1.2	2.0	2.6	3.1	3.6	8	1.4

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22086

CHEAPSIDE RD. 3 KM S OF HWY 3, NANTICOKE

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	2	2	2	2	2	1	1	3	3	3	3	2	2	2	2	2	3	3	4	4	4	4	3	3	3
5	2	2	2	2	2	3	3	3	3	3	2	2	2	2	2	3	3	4	4	4	4	4	3	3	3
6	3	3	3	4	4	3	2	2	1	1	1	...	...	...	2	1	2	2	2	2	2	2	2	1	2
7	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	2	1	2
8	5	4	4	3	3	3	3	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2	2	1	2
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	4	4	4	4	3	3	2
12	4	3	3	4	4	5	4	4	4	2	2	2	2	2	2	3	3	4	4	4	4	3	3	3	3
13	3	4	3	4	5	4	5	4	3	3	3	3	3	3	3	3	3	4	4	4	4	3	2	1	3
14	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	2	2	3	2	2
16	1	1	1	2	2	2	2	2	3	2	2	2	2	2	3	3	3	4	3	2	2	3	3	2	3
17	2	2	3	3	4	4	4	5	5	4	4	3	2	2	2	2	2	2	1	1	1	1	1	1	3
18	1	1	2	2	2	1	2	1	1	1	1	1	1	1	1	2	4	3	3	3	3	3	3	3	2
19	4	5	5	4	4	4	3	4	4	4	3	2	...	...	...	...	...	...	...	...	...	...	...	...	.....
20	- DATA UNAVAILABLE -																								
21	- DATA UNAVAILABLE -																								
22	- DATA UNAVAILABLE -																								
23	- DATA UNAVAILABLE -																								
24	- DATA UNAVAILABLE -																								
25	- DATA UNAVAILABLE -																								
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27	- DATA UNAVAILABLE -																								
28	- DATA UNAVAILABLE -																								
29	- DATA UNAVAILABLE -																								
30	- DATA UNAVAILABLE -																								
31	- DATA UNAVAILABLE -																								
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	1.9

PERCENTAGE OF DATA VALID - 59.4

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 40.2

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22086

CHEAPSIDE RD.3 KM S OF HWY 3, NANTICOKE

MONTH - JUN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
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27																									
28	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0 *****
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1
MEAN	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 8.5

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 91.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -\*- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22086

CHEAPSIDE RD.3 KM S OF HWY 3, NANTICOKE

MONTH - JUL 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	0	0	0	0	0	1	1	1	1	1
2	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
3	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
5	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
12	1	1	1	1	1	1	1	1	1	0	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1
13	0	0	1	1	1	1	1	1	3	3	3	2	1	3	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0
17	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	2	3	2	1	1	1	0	0	0	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	0	0	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	0	0	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	3	0	1	2	2	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1
27	0	0	0	0	0	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	1	1	1	0	0	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	0	0	0	0	1
30	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
31	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -\*- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION										
		STATION - WC NO 22086 CHEAPSIDE RD.3 KM S OF HWY 3. NANTICOKE														MONTH - AUG 78										
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	2	1	1	3	4	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	8	3	1	1	1	1	1	1	1	2
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1
7	1	1	1	2	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	2	2	2	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1
12	2	2	1	1	1	1	2	1	1	1	1	0	0	1	1	1	1	1	1	1	2	1	2	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	2	1	2	1	2	1	2	1	6	3	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	2	1	1	1	1	2	1	1	1	2	1	1	0	0	0	0	0	0	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1
18	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	1	1	1	1	1	1	1
21	1	2	2	2	2	2	1	1	1	1	1	0	0	1	2	3	3	3	1	1	2	1	2	2	2	2
22	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	2	2	1	1	1	1	1	1
26	1	1	1	2	1	2	2	2	2	1	1	1	1	1	1	1	1	2	1	1	1	2	1	1	1	1
27	1	2	2	3	3	3	2	2	2	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	0
30	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	2	1	1	1	1	1	1	1	1	1
31	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	1
MEAN		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 99.5 PERCENTAGE OF DATA INVALID - 0.5 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION												
		STATION - WC NO 22086 CHEAPSIDE RD.3 KM S OF HWY 3. NANTICOKE												MONTH - SEP 78												
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	2	2	2	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	0	0	0	0	0	1
4	0	0	1	1	1	0	0	0	0	1	0	0	0	1	1	0	0	0	1	1	1	1	1	0	0	1
5	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	0	0	1
6	1	1	1	0	1	1	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1
9	2	2	2	2	2	1	2	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
13	1	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	0	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
15	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
16	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0
17	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
19	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	0	0	1	1	1
20	0	0	0	0	0	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	0	0	1	1	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	0
23	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0
25	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
26	0	0	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1
27	2	2	2	1	1	1	1	1	2	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1
28	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	2	1	1	1	1	1	1
29	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	3	2	2	1	1	1	1	1	1	1	1
MEAN		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22086

CHEAPSIDE RD.3 KM S OF HWY 3, NANTICOKE

MONTH - OCT 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	0	1	1	2	2	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1
2	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	2	1	1	2	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	1	1	2	2	2	1	1	1	1
4	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	1	1	1	0	0	0	1	1	1	1	1	2	1	1	1	2	2	2	2	2	2	1	1	1	1
11	1	1	1	2	2	2	2	1	1	2	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1
12	1	1	1	2	3	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	0	0	1
13	0	0	0	0	0	0	0	1	1	1	1	2	2	2	2	1	2	2	2	2	2	2	1	1	1
14	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	1	1	3	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	1	1	1	0	0	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2	2	1	0	0	1
20	1	1	1	1	1	1	2	1	1	1	2	2	1	0	0	0	0	1	1	1	1	1	1	1	1
21	1	1	1	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	1	1	1	1	2	2	2
22	2	2	2	2	2	1	1	1	1	1	1	1	2	2	2	1	2	1	1	1	1	1	1	1	1
23	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	2	2	2	2	2	2	2	1	1	2	3	2	3	4	2	5	4	1	1	1	2	2	2	1	2
26	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
30	2	2	2	2	1	1	1	2	2	1	1	1	1	1	1	1	2	3	2	1	2	3	2	2	2
31	2	2	2	2	2	2	3	2	3	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22086

CHEAPSIDE RD.3 KM S OF HWY 3, NANTICOKE

MONTH - NOV 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	2	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	0	0	0	1	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1	1	1
3	1	1	1	1	1	1	1	1	1	1	2	2	3	3	3	3	3	4	3	2	2	2	2	2	2
4	2	1	1	1	1	1	1	1	2	2	3	2	3	4	3	2	2	2	2	2	2	2	1	1	2
5	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	2	2	1	1	1	1
6	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	0	0	0	0	0	0	0	0	0	1	2	1	1	1	1	1	1	1	2	1	1	1
9	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1
10	2	3	3	3	3	3	3	3	2	2	3	3	3	3	3	3	3	4	4	4	4	4	4	3	3
11	4	4	4	4	3	3	3	3	3	3	2	2	2	2	1	1	2	3	2	3	2	2	2	2	3
12	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	2	2	3	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	***** DATA INVALID *****																								
16	2	2	2	2	2	2	2	1	1	2	2	2	2	2	1	1	1	1	1	1	2	2	2	2	2
17	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
19	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	1	2	1	1	1	0	0	1	0	0	1	1	1	1	1	1	1	1	1	2	1	1	1
22	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	2	2	3	3	3	3	2	2
23	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	2	2	2	2	3	3	3	3	2
24	3	3	3	3	3	3	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
25	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	1	1	0
26	1	1	2	1	2	2	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
27	2	1	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	3	3	1	1
28	3	3	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
29	2	2	2	2	2	2	1	1	2	1	1	3	2	3	2	2	3	3	3	3	3	4	2	2	2
30	2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1
MEAN	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1.3

PERCENTAGE OF DATA VALID - 91.3

PERCENTAGE OF DATA INVALID - 8.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 22086 CHEAPSIDE RD.3 KM S OF HWY 3. NANTICOKE															MONTH - DEC 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2
2	3	1	1	1	0	0	0	0	0	1	1	0	0	1	1	1	1	2	1	1	2	2	2	2	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	3	2	2	2	1	1
4	1	2	2	1	1	1	2	2	3	2	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1
5	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	4	3	3	3	3	3	3	2	2	3	3	3	3	2	2	2	2	2	2	2	2	1	1	1	2
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1
15	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	2
16	4	4	4	4	4	4	4	4	4	3	4	5	4	5	5	4	5	5	5	7	6	7	5	4	5
17	5	6	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2
18	2	2	1	1	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	1	1	1	1	1	2
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1
20	2	4	4	5	6	5	6	5	5	4	4	4	5	5	5	5	6	6	5	5	5	5	5	5	5
21	5	5	5	5	4	4	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	3	4	2	2
22	4	4	4	4	3	4	4	3	2	2	3	4	4	2	3	3	3	2	2	2	3	3	2	3	3
23	2	1	1	1	1	1	1	1	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
24	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	2
25	2	2	2	3	4	4	4	4	3	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	2
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0
27	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
28	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2	4	3	3	4	4	3	2
29	4	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
30	4	4	5	5	5	5	5	5	5	4	3	3	2	3	3	3	4	5	5	5	5	5	5	5	4
31	5	5	5	5	5	5	4	4	4	3	2	2	2	2	3	3	3	3	4	3	3	3	2	3	3
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2.2

PERCENTAGE OF DATA VALID - 80.4 PERCENTAGE OF DATA INVALID - 1.1 PERCENTAGE OF DATA UNAVAILABLE - 18.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT										UNITS - 0.01 PARTS/MILLION									
STATION - WC NO 22086										CHEAPSIDE RD.3 KM S OF HWY 3, NANTICOKE									
MONTH		NO OF DAYS		AVERAGE CONCENT		24-HOUR MAXIMUM		MAXIMUM READING											
JAN		18		1.9		3		5											
FEB				DATA UNAVAILABLE															
MAR				DATA UNAVAILABLE															
APR				DATA UNAVAILABLE															
MAY				DATA UNAVAILABLE															
JUN		2		0.3		1		1											
JUL		31		0.8		1		3											
AUG		31		1.1		2		8											
SEP		30		0.7		1		3											
OCT		31		0.9		2		5											
NOV		27		1.3		3		4											
DEC		24		2.2		5		7											
YEAR		194		1.2		5		8											

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22086

CHEAPSIDE RD.3 KM S OF HWY 3, NANTICOKE

MONTH	00 TO 01	02 TO 03	04 TO 05	06 TO 07	08 TO 09	10 TO 11	12 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	205	183	54		0	0	0	0	0	442
FEB	DATA UNAVAILABLE									
MAR	DATA UNAVAILABLE									
APR	DATA UNAVAILABLE									
MAY	DATA UNAVAILABLE									
JUN	61	0	0	0	0	0	0	0	0	61
JUL	717	21	0	0	0	0	0	0	0	738
AUG	652	85	2	1	0	0	0	0	0	740
SEP	674	42	0	0	0	0	0	0	0	716
OCT	582	150	3	0	0	0	0	0	0	735
NOV	415	229	13	0	0	0	0	0	0	657
DEC	250	224	122	2	0	0	0	0	0	598
YEAR	3556	934	194	3	0	0	0	0	0	4687

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
79.7	0	0.0	0.2	0.5	0.9	2.0	2.9	3.9	4.5	8	1.2

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 26029

TRAILER EDNA/FREDERICK ST

KITCHENER

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	4	5	5	4	3	3	2	2	3	3	3	4	4	4	5	5	5	5	5	3	2	2	1	4
2	1	1	0	1	1	2	3	5	4	3	2	2	3	3	2	2	3	3	3	2	2	2	2	3	2
3	3	3	3	2	2	2	3	3	3	3	2	1	2	2	2	2	3	4	4	4	3	3	2	2	3
4	2	3	3	4	4	3	4	4	4	4	4	4	4	3	4	4	4	4	5	4	4	4	4	4	4
5	3	3	2	3	3	3	4	4	4	5	5	5	5	***	5	5	6	6	6	6	6	6	6	6	5
6	5	4	4	2	1	2	3	4	4	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4
7	4	4	4	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	3	3	3	3	3	3	3
8	4	4	4	4	4	4	4	3	3	3	2	3	3	3	3	3	3	3	2	2	2	1	1	1	3
9	1	1	0	1	1	1	1	2	3	3	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	2	1
11	1	1	1	0	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2
12	2	2	1	1	1	2	2	3	3	3	3	3	4	4	4	4	5	6	5	5	5	6	5	5	4
13	5	5	5	4	4	4	4	5	4	4	4	4	5	4	4	4	5	5	4	4	4	4	4	3	4
14	3	4	4	1	1	1	2	3	4	5	5	5	5	4	4	4	4	5	4	4	4	4	4	3	4
15	3	3	3	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	3	3
16	2	1	1	1	1	2	3	4	4	4	4	4	4	4	5	5	5	5	5	4	4	5	4	5	4
17	5	5	4	3	3	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	5	4
18	3	2	2	1	1	2	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
19	5	5	5	4	4	4	4	4	5	5	4	4	5	5	5	5	5	5	5	5	5	4	4	4	5
20	3	3	3	2	2	1	3	4	5	5	4	4	4	4	5	5	5	5	5	5	4	4	4	4	4
21	4	4	2	1	1	1	2	3	3	4	4	4	4	4	4	4	4	5	5	4	4	4	4	2	3
22	2	2	3	3	2	2	3	3	3	4	3	4	4	4	4	4	4	4	4	4	4	4	5	5	4
23	5	4	4	4	4	4	4	4	4	4	4	4	4	4	3	4	5	5	6	5	5	4	4	3	4
24	4	4	4	4	4	4	4	4	4	4	5	6	6	6	6	6	6	6	7	5	4	3	4	5	4
25	4	4	5	5	5	5	5	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	5	4
26	3	2	2	3	3	3	3	4	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	2	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	2
28	1	1	2	2	3	4	5	5	6	5	5	4	4	4	1	1	2	2	1	1	1	2	2	3	1
29	2	3	4	4	4	4	4	3	3	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2
30	2	2	1	1	1	1	2	4	4	4	4	4	3	4	5	4	3	4	3	3	3	3	2	3	3
31	3	3	4	4	4	5	5	4	5	5	6	6	6	6	5	5	5	5	5	5	2	3	2	2	4
MEAN	3	3	3	3	2	3	3	3	3	4	3	3	4	4	4	4	4	4	4	4	3	3	3	3	3.3

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - WC NO 28029 TRAILER EDNA/FREDERICK ST KITCHENER														MONTH - FEB 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	3	2	2	2	3	3	4	3	3	3	3	3	4	5	5	5	5	5	5	5	5	4
2	5	6	6	6	6	6	7	7	7	7	7	7	6	5	5	5	6	6	5	6	5	3	3	4	6
3	5	5	5	5	5	4	6	7	7	6	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5
4	5	5	5	5	5	4	5	5	5	5	5	5	6	6	7	6	6	6	6	7	7	6	6	6	6
5	6	6	5	5	5	5	5	5	5	5	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5
6	4	3	2	2	3	3	4	4	5	4	5	5	5	5	5	6	5	4	3	3	2	2	3	3	4
7	2	1	2	1	1	1	3	3	3	2	2	3	3	4	4	4	5	5	4	4	4	4	4	4	3
8	4	4	3	3	3	3	4	5	5	5	5	5	6	6	6	6	6	6	6	6	6	5	4	5	5
9	4	4	3	3	3	3	5	6	6	5	5	5	4	4	4	5	5	5	5	5	4	4	4	2	4
10	3	4	2	2	1	2	4	5	5	4	4	3	4	3	3	4	4	4	4	5	5	5	4	4	4
11	3	3	3	2	1	1	1	2	3	3	4	4	3	3	2	2	3	3	2	2	2	2	1	1	2
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	2	2	4	5	5	5	5	5	5	5	5	5	6	6	5	6	5	5	5	5	4
14	4	3	4	3	3	4	4	5	5	5	5	5	5	4	4	4	4	5	5	5	5	5	3	3	5
15	5	5	5	4	4	4	5	6	8	6	4	5	4	3	4	4	4	5	5	7	6	5	3	3	5
16	3	4	2	2	2	3	4	5	6	5	6	4	3	3	3	3	4	5	4	3	2	2	2	2	4
17	2	2	4	3	4	4	5	5	4	4	4	3	3	3	3	4	4	6	7	6	6	6	5	6	4
18	6	6	4	4	5	5	5	5	5	4	4	4	4	4	4	4	5	5	4	5	4	4	3	3	4
19	4	3	4	2	4	3	2	2	4	4	2	1	1	1	1	1	1	1	3	5	5	5	5	5	3
20	5	5	5	5	4	4	4	5	6	8	7	5	3	3	4	4	8	8	7	6	6	5	5	5	5
21	5	4	4	6	7	7	7	8	8	8	7	6	7	6	6	7	7	7	7	5	4	5	4	3	6
22	3	2	2	1	1	1	2	4	4	3	3	3	3	2	2	2	3	3	2	2	1	1	2	2	2
23	2	2	2	2	2	2	3	4	6	5	4	3	4	3	2	3	4	5	4	4	3	4	4	4	3
24	4	3	2	2	2	2	2	3	4	4	4	3	4	4	5	6	6	6	5	4	3	3	4	5	4
25	6	6	5	4	3	3	5	5	5	6	6	6	6	6	6	6	6	5	5	5	5	5	5	5	5
26	6	4	3	2	2	1	1	1	2	1	1	1	1	1	1	1	1	2	3	4	3	2	1	2	2
27	2	2	1	1	1	1	2	4	4	3	4	4	3	3	3	3	4	3	3	5	5	3	3	3	3
28	3	4	4	2	6	6	5	7	8	6	3	3	3	3	3	5	6	8	9	9	9	9	9	9	6
MEAN	4	4	3	3	3	3	4	5	5	5	4	4	4	4	4	4	5	5	5	5	4	4	4	4	4.0

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION												
	STATION - WC NO 28029					TRAILER EDNA/FREDERICK ST					KITCHENER					MONTH - MAR 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	9	8	8	3	2	3	4	6	6	5	5	4	5	5	5	****	****	5	5	4	4	4	3	3	5		
2	4	4	2	1	1	1	3	5	5	4	3	3	4	4	3	4	5	5	5	7	8	8	7	8	4		
3	8	7	6	6	6	6	6	6	6	6	7	7	7	7	7	7	8	7	7	6	4	4	4	2	6		
4	3	3	2	1	1	1	1	2	2	3	4	3	4	3	3	3	4	3	3	3	3	3	3	3	3		
5	3	3	4	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	5	6	5	6	6	7	6		
6	4	4	4	5	3	4	7	7	7	6	6	8	8	7	6	7	6	6	6	5	5	5	5	5	6		
7	7	7	2	1	3	4	7	9	10	7	7	7	6	6	6	8	9	9	8	7	7	7	8	7	6		
8	5	5	5	4	4	5	6	6	6	6	6	6	7	7	8	9	9	5	5	5	5	7	9	9	6		
9	9	8	8	7	7	7	7	7	8	7	8	7	4	4	4	5	5	6	5	5	5	5	9	9	8		
10	6	6	6	6	6	7	7	8	8	8	7	9	9	9	9	9	9	10	10	11	11	10	9	8	6		
11	7	5	4	3	2	2	2	3	3	4	4	4	4	4	4	4	5	5	5	4	3	3	2	3	4		
12	6	4	4	3	3	2	2	2	4	4	4	3	3	4	3	3	3	4	5	5	6	6	6	5	4		
13	5	6	5	5	4	4	5	5	5	6	8	7	6	6	7	8	9	9	9	8	7	7	6	6	6		
14	6	6	5	4	4	4	6	7	7	4	3	3	3	3	3	2	2	4	4	5	4	3	3	3	4		
15	1	1	1	1	1	1	1	2	4	3	2	3	3	4	3	4	4	4	5	4	3	3	3	3	3		
16	2	3	3	2	2	3	5	5	5	5	5	6	7	7	8	7	7	7	7	6	5	5	5	5	5		
17	5	5	4	3	3	3	5	5	6	6	6	6	6	6	5	6	5	5	6	6	6	5	4	2	5		
18	2	2	2	1	1	2	3	3	2	2	2	3	3	2	2	2	2	2	1	1	1	1	1	1	2		
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1		
20	2	2	3	4	5	5	5	6	5	5	5	4	5	6	6	6	6	7	7	6	6	5	6	5	5		
21	6	5	5	4	2	3	4	5	5	4	4	5	5	5	4	4	4	4	3	3	2	2	2	2	4		
22	1	1	1	1	1	1	1	2	3	3	4	3	3	3	3	3	3	5	5	5	5	4	2	2	3		
23	2	1	1	1	1	1	2	2	3	3	3	2	2	3	2	3	4	4	4	5	6	4	2	1	3		
24	1	1	1	1	1	1	2	3	3	5	5	5	5	5	5	6	6	6	6	6	6	6	5	4	4		
25	5	5	3	2	1	1	2	3	4	4	5	5	5	5	5	5	4	4	4	4	4	4	4	4	3		
26	2	2	2	1	1	1	1	1	1	2	3	4	4	4	4	4	4	5	5	3	2	2	1	1	4		
27	3	3	3	3	3	3	5	5	5	5	5	6	6	6	6	6	6	6	5	5	4	4	2	3	3		
28	1	1	2	2	2	2	3	2	2	2	2	3	3	3	3	3	4	4	4	4	4	3	3	3	3		
29	3	2	1	1	1	1	1	1	2	***	3	3	3	3	3	2	2	3	4	4	3	2	3	3	3		
30	3	2	2	2	2	2	4	5	5	4	3	3	3	3	2	2	2	3	4	4	3	2	3	3	3		
31	3	3	3	3	4	4	6	6	6	6	5	4	5	5	6	6	7	6	6	6	6	6	5	5	5		
MEAN	4	4	3	3	3	3	4	4	5	4	4	4	5	4	4	5	5	5	5	5	5	4	4	4	4.1		

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.4 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER												MONTH - APR 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	5	5	5	4	1	1	1	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	2
2	1	1	2	1	1	1	0	1	1	4	5	5	6	6	6	6	6	6	6	6	6	5	5	5	4
3	5	5	4	4	4	2	4	4	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	5
4	4	4	4	4	4	4	5	5	5	5	5	5	6	6	6	6	6	6	5	5	4	3	2	1	5
5	1	1	0	1	1	1	1	2	3	3	3	2	2	2	2	2	3	4	4	4	4	4	5	5	3
6	5	4	4	3	3	4	4	4	4	4	4	4	4	4	4	5	5	5	4	4	4	4	4	4	4
7	4	4	3	1	1	1	1	2	3	3	3	3	3	3	4	4	4	4	4	3	2	1	1	1	3
8	1	1	1	1	0	0	1	1	2	3	3	3	3	3	3	3	3	3	4	4	4	4	2	2	2
9	2	3	3	2	3	2	1	1	1	2	3	3	3	3	3	3	3	3	3	4	4	4	2	2	3
10	4	4	3	3	3	2	4	5	5	5	5	5	5	5	5	5	5	6	5	5	5	5	5	5	5
11	5	4	4	4	3	3	3	4	4	3	2	2	2	2	2	2	3	3	2	2	2	2	1	1	3
12	1	1	1	0	0	0	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	2	2	1	2
13	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3	2	2	2	2	1	2
14	1	1	1	1	0	0	1	1	2	1	2	2	3	3	3	3	3	3	4	4	3	2	2	2	2
15	2	1	1	1	1	1	1	1	1	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	2
16	4	3	2	2	2	1	1	1	1	1	2	2	2	1	3	3	4	2	2	3	4	4	4	4	3
17	4	3	3	1	1	1	3	4	4	5	5	5	5	5	5	5	6	6	6	5	5	4	4	4	4
18	4	5	4	3	3	3	4	4	5	5	5	5	5	5	5	6	6	6	6	5	4	4	4	4	5
19	3	3	2	2	1	1	4	5	5	5	5	5	6	6	6	7	7	7	7	6	5	4	4	4	5
20	3	3	2	1	1	2	4	5	5	5	5	4	4	3	3	4	4	4	4	4	4	3	2	2	3
21	1	1	1	1	1	1	2	3	3	3	3	4	4	4	4	4	5	5	4	4	4	3	3	3	3
22	3	4	3	2	2	2	2	3	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4
23	5	5	5	5	4	4	3	3	3	4	4	4	5	5	5	6	6	6	6	6	6	6	6	5	5
24	5	4	4	4	4	4	5	4	5	5	5	6	6	6	6	6	6	6	6	6	6	5	4	4	5
25	4	4	3	2	3	4	5	5	5	5	5	6	6	6	7	7	7	7	7	7	7	6	6	6	5
26	5	5	4	3	4	4	4	4	5	5	5	6	6	6	7	8	8	8	8	8	7	6	6	6	5
27	2	2	2	1	2	2	3	4	4	5	5	6	6	6	6	6	6	6	6	6	5	4	4	4	6
28	3	3	2	2	2	2	3	4	5	5	5	6	6	6	6	6	6	6	6	6	5	4	4	4	4
29	4	4	3	2	1	1	1	1	1	2	2	3	3	3	3	4	3	3	3	4	4	2	1	2	3
30	2	2	3	3	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	3	4	2	1	2	2
MEAN	3	3	3	2	2	2	2	3	3	4	4	4	4	4	4	4	4	5	4	4	4	3	3	3	3.5

PERCENTAGE OF DATA VALID - 100.0 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER														MONTH - MAY 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	0	0	0	2	3	4	****	3	4	4	3	3	3	4	4	2	2	3	2	2	2	1	2
2	1	1	1	1	1	2	3	3	3	3	3	3	4	4	4	5	5	4	3	3	4	4	3	2	3
3	1	1	1	1	1	2	4	5	4	4	4	4	3	4	5	5	6	4	4	5	5	5	5	5	4
4	4	4	2	2	3	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	3	4
5	2	1	1	1	2	3	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4
6	4	4	4	3	3	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	4	4
7	3	3	2	1	1	1	1	2	2	3	5	5	5	6	6	6	5	4	5	6	7	6	6	4	4
8	2	2	2	2	3	4	5	5	****	6	6	7	7	7	7	7	7	7	5	5	3	2	2	2	4
9	1	2	1	1	2	3	2	4	3	2	2	****	****	4	4	4	3	3	3	2	2	1	1	1	2
10	1	1	1	1	0	1	2	4	5	4	4	4	3	4	4	4	4	4	4	5	5	5	5	5	3
11	5	5	5	5	3	3	5	4	4	4	3	2	2	2	2	3	4	3	5	5	4	4	4	3	4
12	6	6	4	5	6	4	6	7	7	7	7	6	4	3	4	4	4	3	3	3	3	3	3	3	5
13	3	3	3	3	2	3	4	5	6	6	6	6	7	7	7	7	6	6	7	7	7	6	6	5	5
14	5	4	2	1	1	2	2	2	4	4	5	6	5	6	6	6	6	5	5	5	4	3	3	1	4
15	1	1	1	1	1	4	6	6	5	5	5	5	5	5	5	6	6	6	6	6	5	4	3	4	4
16	2	1	1	1	1	3	4	4	****	5	5	5	5	5	5	6	6	6	6	6	6	5	4	3	4
17	3	2	1	1	1	2	4	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	5	4	4
18	5	5	4	3	3	3	4	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
19	5	4	4	4	3	4	6	5	4	4	4	4	4	4	4	4	4	4	6	6	5	4	3	2	4
20	1	2	2	2	1	1	2	3	3	3	3	2	2	2	2	3	4	3	2	2	2	2	2	1	2
21	1	1	1	1	1	0	0	1	2	4	4	4	4	4	4	4	2	2	2	2	2	2	2	1	2
22	2	2	3	3	3	1	1	3	2	4	4	4	3	3	3	4	5	4	6	6	6	6	6	5	4
23	4	4	3	2	3	3	4	5	6	6	6	7	8	8	7	6	7	9	3	2	2	4	4	4	5
24	5	4	4	3	4	4	5	****	7	8	8	8	7	9	10	9	10	10	10	8	5	6	4	7	7
25	3	2	2	4	5	5	5	7	6	5	5	7	7	7	5	6	8	6	6	7	6	5	6	5	5
26	5	6	6	5	5	5	6	9	9	8	8	8	5	7	6	7	8	8	7	7	8	7	8	8	7
27	8	6	5	4	4	4	5	6	8	9	7	7	3	5	4	4	4	7	5	8	9	7	5	6	5
28	8	6	6	5	4	4	6	6	4	2	3	4	4	2	2	3	6	8	7	7	6	7	8	8	5
29	7	6	5	4	4	4	5	6	4	4	4	3	4	5	6	7	6	6	6	5	6	7	7	6	5
30	6	5	4	4	4	4	5	6	6	7	****	4	3	3	2	6	4	1	1	1	1	1	2	1	4
31	3	3	1	1	1	2	2	3	3	2	2	2	2	3	3	3	4	3	3	4	4	3	2	2	3
MEAN	3	3	3	2	2	3	4	5	5	5	5	5	4	5	5	5	5	5	5	5	5	4	4	4	4.2

PERCENTAGE OF DATA VALID - 99.1 PERCENTAGE OF DATA INVALID - 0.9 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER														MONTH - JUN 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	2	2	3	3	5	6	6	4	2	3	2	3	2	3	3	2	2	2	3	3
2	2	1	1	1	1	2	3	3	3	3	3	4	3	3	3	3	4	4	3	4	4	4	4	2	3
3	3	2	2	2	1	1	2	3	3	3	4	4	4	4	3	4	4	3	3	4	4	4	4	3	3
4	4	5	3	2	2	2	2	4	2	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	2
5	1	1	1	1	1	1	2	3	3	3	3	3	3	3	4	4	4	4	4	3	4	4	4	4	3
6	4	3	3	2	2	1	3	3	2	***	2	2	1	1	1	2	2	2	2	2	4	4	3	2	2
7	1	3	5	2	4	5	4	5	4	7	6	5	6	5	5	6	7	6	5	6	6	6	4	3	5
8	2	1	1	1	1	1	2	3	2	3	4	4	3	4	3	3	3	3	3	3	3	3	3	2	3
9	1	1	1	1	1	2	4	4	4	4	2	2	2	2	2	2	4	4	3	4	4	3	3	3	3
10	3	3	2	2	2	2	2	3	3	4	3	3	2	2	2	2	2	1	1	2	2	3	2	2	2
11	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	2	2	1	1	2	2	2	3	4	5	2	3	2	1	1	1	0	2
13	0	0	0	0	0	1	***	2	3	3	3	3	3	3	3	4	4	4	4	4	4	3	3	2	3
14	1	1	1	1	1	2	3	4	4	4	4	4	4	4	4	5	5	4	4	4	6	6	5	5	4
15	1	1	3	3	3	4	4	5	4	5	5	6	6	5	6	6	8	7	8	8	8	8	7	5	6
16	5	4	3	4	5	5	5	6	6	5	5	5	3	3	2	2	2	2	2	2	2	2	2	2	3
17	4	3	2	2	2	4	4	3	3	3	5	5	4	3	3	3	3	3	3	3	4	3	4	4	2
18	1	1	1	1	1	2	3	1	1	1	1	1	1	1	1	1	1	2	2	2	4	3	4	4	2
19	3	2	3	3	3	4	5	5	5	5	5	5	4	3	3	3	3	3	3	4	5	5	5	5	4
20	4	3	3	3	3	3	4	6	8	7	5	4	3	4	4	5	4	2	2	2	3	5	5	5	4
21	4	2	4	5	5	6	7	7	7	5	3	2	3	2	2	3	4	4	3	4	4	4	4	3	4
22	2	1	1	1	1	2	3	2	2	1	2	2	2	2	2	3	3	2	2	3	4	3	3	2	2
23	2	1	1	1	1	2	3	4	4	3	3	4	4	4	4	4	4	4	4	4	3	3	2	2	3
24	2	2	1	1	1	2	2	3	3	4	5	5	5	5	5	4	2	2	1	2	3	2	2	2	2
25	2	3	5	4	3	2	3	4	2	1	1	1	1	1	1	1	1	1	1	1	2	5	2	2	2
26	1	1	1	1	2	3	4	5	3	4	3	2	1	1	1	3	4	2	2	2	2	2	1	2	2
27	1	1	1	1	1	1	1	2	2	1	2	2	1	1	1	2	2	2	2	2	3	3	1	2	2
28	1	0	0	0	0	1	3	3	3	2	3	3	4	4	4	4	4	3	3	2	2	4	3	3	3
29	1	1	1	0	1	1	3	4	4	4	4	4	3	3	3	3	4	4	4	4	5	4	4	4	4
30	2	1	1	1	2	3	3	3	4	4	4	4	4	4	5	5	5	5	5	4	4	4	4	4	4
MEAN	2	2	2	2	2	2	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2.8

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER														MONTH - JUL 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	2	2	2	2	3	3	2	3	4	4	4	5	5	4	5	5	6	6	5	5	5	4	4
2	4	3	3	3	2	2	2	2	2	3	4	4	4	3	4	4	3	4	4	4	4	4	4	3	3
3	3	2	2	2	1	2	2	3	3	4	5	5	6	6	6	6	6	5	5	5	5	5	4	3	4
4	1	1	1	1	2	5	5	6	5	5	6	6	7	7	7	8	8	8	8	8	7	6	6	6	
5	5	4	4	4	4	4	5	6	7	6	5	6	6	5	3	4	3	1	1	1	2	2	1	1	4
6	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	1	1	2
7	1	1	1	1	1	3	5	4	3	2	2	1	2	2	2	2	2	1	1	2	3	2	2	1	1
8	2	1	1	1	1	1	1	1	1	2	2	2	2	1	2	2	1	1	1	1	1	1	1	1	1
9	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	2	2	1	1	1	1
10	1	0	0	0	2	2	2	2	2	2	2	2	3	3	3	3	3	2	3	2	1	1	1	0	2
11	0	0	0	0	1	2	***	3	3	3	3	3	4	4	5	5	5	5	4	4	4	4	4	4	3
12	4	4	2	3	2	3	6	5	5	6	5	3	2	4	2	4	2	2	2	3	5	5	4	3	4
13	2	2	2	1	1	3	3	6	5	4	4	2	2	2	2	3	3	4	4	3	3	3	2	3	4
14	2	3	2	1	2	5	6	7	7	7	7	4	3	3	3	4	5	4	5	5	6	6	5	4	4
15	5	4	3	4	4	3	4	5	3	3	3	3	3	3	3	3	3	4	4	4	4	4	3	2	2
16	2	1	1	1	1	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	4	3	2	2
17	1	1	1	1	2	2	2	3	3	4	5	5	5	5	4	4	6	6	6	5	4	4	5	4	4
18	4	3	3	2	2	3	4	6	3	2	2	3	2	2	2	2	3	2	2	2	3	3	2	1	3
19	1	1	1	1	1	2	3	4	4	4	3	2	2	2	2	3	3	2	3	4	3	3	3	2	2
20	1	1	1	1	1	2	3	4	4	3	3	2	2	2	3	3	3	3	3	3	3	3	3	2	2
21	2	2	2	1	1	2	6	7	8	7	4	4	4	4	3	3	4	4	5	5	4	4	4	4	4
22	4	3	3	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	5	2	1	1	1	2
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3	4	3	2	4
24	2	1	1	2	3	3	4	4	4	5	5	5	3	5	8	6	5	5	8	8	6	5	5	5	5
25	4	3	3	3	3	4	5	6	6	***	***	3	3	2	2	2	2	1	1	2	2	2	1	1	3
26	1	1	1	1	1	2	2	2	2	2	2	0	***	2	2	2	2	2	2	6	4	4	1	2	2
27	1	1	1	1	1	1	2	3	2	2	4	3	2	2	5	6	4	3	4	3	2	2	1	1	2
28	1	1	1	1	1	2	2	3	3	4	4	4	4	5	5	5	3	3	3	3	2	3	3	3	3
29	2	1	1	1	3	3	2	3	3	3	4	4	4	3	4	3	2	2	4	3	2	4	4	4	4
30	3	2	1	1	2	2	2	3	3	3	4	4	5	5	5	6	6	7	6	6	5	4	4	4	4
31	3	3	3	3	4	4	4	5	6	6	7	6	3	5	2	2	2	2	5	6	6	5	4	5	4
MEAN	2	2	2	2	2	2	3	4	3	3	4	3	3	3	3	3	3	3	3	4	4	4	3	3	3.0

PERCENTAGE OF DATA VALID - 99.5 PERCENTAGE OF DATA INVALID - 0.5 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER															MONTH - AUG 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	3	2	4	4	3	3	3	3	****	0	3	5	4	10	9	4	3	3	5	8	10	9	8	5
2	6	5	3	3	5	6	4	4	4	3	2	1	1	1	2	2	1	2	2	1	1	1	1	0	3
3	1	0	0	0	1	4	6	5	5	5	6	6	5	5	4	5	4	4	4	3	3	4	2	1	3
4	1	1	1	1	2	3	4	4	4	3	****	****	3	3	3	3	3	3	3	3	4	4	4	3	3
5	3	2	2	1	1	1	2	2	4	4	3	3	4	5	4	3	3	2	1	2	3	2	2	3	3
6	4	3	3	2	2	2	2	3	4	4	3	2	2	1	2	2	2	3	2	2	3	2	2	2	2
7	5	4	3	2	2	2	2	4	4	4	5	5	5	5	6	5	6	6	8	8	8	7	7	6	5
8	5	4	3	3	3	3	3	3	3	3	2	2	2	2	2	2	3	2	2	2	1	1	1	1	2
9	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	2	3	3	3	3	3	3	2	2	2
10	2	1	1	1	1	2	2	3	3	3	3	3	3	3	4	4	5	6	7	7	5	4	4	3	4
11	3	2	2	2	2	2	2	3	3	3	4	5	5	6	6	8	5	3	3	4	6	6	5	5	4
12	5	4	3	3	3	3	3	4	5	4	5	6	5	6	6	4	5	6	6	5	4	4	2	2	4
13	2	2	3	4	4	3	3	4	2	1	1	1	1	1	1	1	1	1	1	2	3	5	5	4	2
14	2	2	3	4	3	4	3	5	6	3	3	2	3	5	6	8	6	3	2	3	3	2	3	5	4
15	5	3	1	1	3	4	5	6	6	5	5	3	3	2	1	2	3	4	3	2	2	2	2	1	3
16	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	0	0	0	0	0	1	1	1	1	1	1	2	2	1	1	2	2	2	3	3	3	3	3	2	1
18	2	2	2	2	2	1	2	3	4	4	4	4	5	4	4	3	3	3	3	4	5	3	3	4	3
19	3	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1	2	1	1	1	1	2
20	1	1	0	0	0	1	1	1	1	1	2	2	2	2	2	2	3	2	3	3	3	3	3	2	2
21	2	2	1	2	2	2	2	3	4	4	4	4	5	5	5	5	6	5	3	4	6	7	6	4	4
22	3	4	4	3	3	3	3	5	8	5	3	2	2	2	2	3	3	2	2	4	5	7	6	6	4
23	7	6	4	4	5	5	6	8	12	6	3	2	2	2	2	2	2	2	2	4	2	2	2	1	4
24	1	1	1	1	1	1	2	3	3	3	3	3	5	7	6	7	4	3	4	5	4	3	2	2	3
25	3	3	3	2	2	2	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	3	3	3	3
26	3	2	2	2	1	2	2	3	3	4	4	4	3	3	3	4	3	3	3	4	5	5	5	4	3
27	4	3	2	2	1	2	2	2	2	2	3	3	4	4	4	4	4	4	3	3	3	3	2	3	3
28	2	2	2	2	2	3	3	2	2	2	2	2	2	2	1	1	1	1	2	1	1	0	0	0	2
29	0	0	0	0	0	1	2	2	2	1	1	1	2	2	2	2	2	2	3	3	3	3	2	2	2
30	2	2	2	1	1	1	3	4	4	3	2	2	2	2	2	3	4	4	4	4	3	3	3	2	3
31	2	2	1	1	2	2	3	3	3	3	3	3	3	4	4	3	3	3	4	3	3	3	3	2	3
MEAN	3	2	2	2	2	2	3	3	4	3	3	3	3	3	3	4	3	3	3	3	4	3	3	3	2.9

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER														MONTH - SEP 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	1	1	2	2	3	3	3	3	4	4	4	4	4	4	5	4	4	5	4	2	2	2	3
2	1	1	2	3	2	1	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	1	1	1	2
3	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	2	2	2	2	2	1
4	2	2	1	1	0	0	1	1	2	2	2	3	2	2	1	1	1	1	1	2	3	2	2	2	2
5	1	1	1	1	1	3	3	4	3	4	5	5	4	5	5	5	4	3	3	4	4	2	2	1	3
6	1	1	1	1	1	1	2	3	3	2	2	2	2	2	2	2	2	2	2	3	2	1	1	1	2
7	1	1	1	1	1	1	3	5	5	4	3	3	3	3	4	5	5	5	4	4	3	3	2	2	3
8	2	1	1	1	1	2	2	3	3	3	3	3	3	3	3	3	3	4	3	3	3	3	2	2	3
9	2	2	1	1	1	1	2	2	2	2	3	3	4	4	4	4	4	5	5	4	3	3	3	3	3
10	3	3	3	3	2	1	2	2	2	3	3	3	2	3	2	2	2	5	5	3	2	2	2	1	3
11	0	1	1	1	1	1	2	3	3	2	2	2	2	2	2	2	3	2	2	3	2	2	2	2	2
12	1	1	1	1	2	2	2	2	1	1	2	2	2	2	3	3	3	3	3	2	2	2	2	2	2
13	2	1	1	1	1	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	2	1	2	2
14	1	1	1	1	2	2	2	2	3	3	4	4	5	5	5	5	5	5	4	3	2	1	1	1	3
15	1	1	0	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2
16	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
17	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2
18	1	1	1	1	1	2	2	2	2	3	3	3	2	2	2	3	3	3	2	3	2	2	2	2	2
19	2	1	1	1	1	2	2	3	2	2	3	3	3	4	4	4	4	4	4	5	5	4	4	3	3
20	3	3	4	4	4	4	4	4	4	4	5	4	4	4	4	4	4	4	5	5	4	4	4	3	3
21	- DATA UNAVAILABLE -																								
22	- DATA UNAVAILABLE -																								
23	- DATA UNAVAILABLE -																								
24	- DATA UNAVAILABLE -																								
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2 *****	
26	2	2	1	1	1	1	2	3	4	4	2	2	2	2	2	2	2	2	3	4	3	3	3	2	2
27	2	3	3	2	2	3	3	3	3	3	3	2	2	2	2	2	3	5	4	3	2	1	1	1	3
28	1	1	1	1	1	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2
29	2	2	1	1	1	2	2	3	3	4	4	4	4	4	4	4	4	5	5	5	4	4	3	3	3
30	3	3	3	3	3	2	2	3	3	4	3	3	2	2	2	2	3	2	3	4	3	2	2	1	3
MEAN	2	2	1	1	1	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2.3

PERCENTAGE OF DATA VALID - 82.8 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 17.1

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY





POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER														MONTH - DEC 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	2	2	2	2	2	2	3	3	4	4	3	3	3	2	3	3	3	3	3	3	3	2	3
2	1	2	2	2	1	1	2	2	3	3	3	3	4	4	4	4	4	4	4	5	4	3	3	3	3
3	3	3	3	3	3	3	3	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	2	3
4	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	1	2
5	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	2	2	2	2	3	2	3	3	2	2	2	3	3	3	3	3	3	3	3	3	3	3	2	3	3
7	2	2	2	2	2	3	3	3	3	4	3	4	****	****	4	4	4	4	4	3	4	4	4	4	3
8	4	4	4	4	4	3	3	****	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
9	2	3	3	2	1	1	2	2	2	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2
10	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1
11	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	3	4	4	3	3	3
12	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3
13	3	2	2	2	2	1	2	2	2	2	3	3	3	2	2	2	2	2	1	1	1	1	1	1	2
14	1	1	1	1	1	1	2	3	3	3	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2
15	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3
16	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	3	3
17	3	3	2	1	0	0	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2	***	1
18	1	1	1	1	1	1	2	3	4	3	3	3	3	4	3	4	4	4	4	4	4	4	4	4	3
19	3	2	1	1	1	2	3	4	4	4	4	4	4	4	4	4	5	5	4	4	4	4	4	4	3
20	4	3	3	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	4
21	3	3	3	3	2	1	1	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	2	2	2
22	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	1	1	3
23	1	1	1	1	1	1	2	2	2	3	3	3	3	3	3	4	4	5	5	6	5	5	4	5	3
24	4	4	3	3	3	3	4	3	3	3	4	4	4	4	4	3	3	4	4	4	4	3	3	3	4
25	3	3	3	3	3	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2
26	1	1	1	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2
27	1	1	1	1	1	1	1	2	3	3	3	2	3	2	2	2	2	2	2	2	2	2	2	2	2
28	2	1	2	2	2	4	3	4	4	4	4	4	4	4	4	4	5	5	6	5	5	5	5	5	4
29	4	4	4	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	4
30	3	3	3	3	3	3	3	4	4	3	4	4	5	5	5	5	5	4	4	4	4	4	4	4	4
31	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	2	4
MEAN	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2.7

PERCENTAGE OF DATA VALID - 99.5

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	3.3	5	7
FEB	28	4.0	6	9
MAR	31	4.1	8	11
APR	30	3.5	6	8
MAY	31	4.2	7	10
JUN	30	2.8	6	8
JUL	31	3.0	6	8
AUG	31	2.9	5	12
SEP	25	2.3	3	5
OCT	26	2.5	4	7
NOV	27	2.6	5	8
DEC	31	2.7	4	6
YEAR	352	3.2	8	12

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 28029 TRAILER EDNA/FREDERICK ST KITCHENER

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	123	245	374	1	0	0	0	743
FEB	66	179	386	40	0	0	0	671
MAR	94	216	327	102	2	0	0	741
APR	126	217	360	17	0	0	0	720
MAY	74	186	394	83	0	0	0	737
JUN	171	311	221	15	0	0	0	718
JUL	155	334	228	23	0	0	0	740
AUG	141	379	194	24	1	0	0	739
SEP	141	364	91	0	0	0	0	596
OCT	121	391	112	1	0	0	0	625
NOV	95	471	83	10	0	0	0	659
DEC	107	469	164	0	0	0	0	740
YEAR	1414	3762	2934	316	3	0	0	8429

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT  
OF DATA  
VALID

MIN

10

30

## CONCENTRATIONS

FREQUENCY

DISTRIBUTION

PERCENT

95

98

99

MAX

ARITH  
MEAN

96.2

0

0.6

1.6

2.5

3.5

5.0

5.8

6.8

7.6

12

3.2

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	3	2	2	2	2	2	2	2	2	2	1	2	2	2	3	3	3	4	2	2	3	3	2
2	2	2	2	1	1	2	2	3	3	3	3	2	2	2	2	3	2	3	3	3	3	3	3	3	2
3	2	2	2	2	2	2	2	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3
4	2	2	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3
5	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
6	3	3	3	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2
7	1	1	1	1	1	1	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2
8	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
9	1	1	1	1	1	0	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1
10	1	1	1	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	2
12	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	4	4	4	4	4	3	3	3	3	3
13	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	3	2	2	1	1	3
14	1	1	1	1	0	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
15	2	2	2	2	2	2	2	2	1	1	1	1	1	1	2	2	1	1	1	1	1	1	2	2	2
16	1	1	1	1	1	1	1	2	2	2	3	3	3	3	3	4	4	4	4	4	3	3	3	3	3
17	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	5	5	5	5	3
18	1	1	2	1	1	1	1	2	4	2	2	2	3	3	4	4	4	4	4	3	2	2	2	2	4
19	4	4	4	4	4	4	4	4	5	4	4	4	4	4	4	4	4	4	4	3	2	2	2	2	2
20	1	1	1	1	1	1	1	1	3	3	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2
21	1	1	1	1	1	2	2	2	3	3	3	3	3	3	4	3	3	3	3	3	3	3	3	3	3
22	3	2	2	2	2	2	2	3	3	3	3	3	3	3	4	4	4	4	4	4	2	2	2	3	3
23	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	5	6	6	5	5	4
24	5	5	5	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	4	5
25	4	4	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	5	5	4	4	3	4
26	3	3	3	3	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2
27	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	3
28	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2
29	2	2	2	2	2	2	1	2	1	2	3	3	2	2	2	2	3	3	3	3	2	2	2	2	3
30	2	3	2	2	2	2	2	3	4	4	3	3	3	3	3	3	3	3	3	3	2	2	2	2	3
31	2	2	2	2	2	2	3	3	4	4	4	4	4	4	5	5	4	4	5	5	5	3	3	2	3
MEAN	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	3	2.5

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES															MONTH - FEB 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	3	3	3	3	2	2	2	****	2	2	3	3	3	3	3	3	3	3	3
2	3	3	3	2	2	3	3	4	4	4	4	3	3	4	4	5	5	5	5	5	5	4	3	4	4
3	3	3	3	4	4	3	3	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
4	3	3	3	4	4	3	3	3	4	3	2	3	3	3	4	4	5	5	5	5	4	4	4	4	4
5	5	4	4	4	4	4	4	4	4	4	3	2	2	2	3	2	2	2	2	2	2	2	2	2	3
6	1	1	1	1	1	1	1	4	4	3	2	2	2	2	2	3	3	3	2	2	2	1	1	1	2
7	1	1	1	1	1	1	1	2	3	3	****	3	3	3	4	4	4	4	4	4	3	3	3	3	3
8	2	2	2	2	2	1	2	4	4	3	3	4	4	5	6	6	6	5	5	5	5	5	5	5	4
9	5	5	4	4	5	5	4	4	4	4	4	5	5	5	5	5	5	6	6	6	4	5	4	4	5
10	4	4	3	3	3	3	3	4	3	4	3	3	3	3	3	4	5	5	5	5	4	3	3	3	4
11	3	3	3	3	2	2	3	3	3	3	3	3	3	4	4	4	3	2	2	2	2	2	2	3	3
12	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	2	4	4	3	2	2	3	2	3	3	3	2	1	1	1	1	1	2
14	1	1	1	1	1	1	1	1	3	3	2	1	1	1	2	2	3	4	4	4	4	4	4	4	2
15	4	4	3	3	3	3	3	3	3	3	3	3	3	2	3	3	4	3	4	5	6	6	5	5	4
16	4	4	4	4	4	3	4	4	4	4	4	3	3	3	3	3	4	3	4	5	5	5	5	5	4
17	3	2	2	2	2	2	2	3	3	3	3	3	3	4	3	3	4	4	4	4	5	5	5	5	3
18	5	5	3	2	2	2	2	3	3	4	3	3	2	3	3	3	3	3	4	4	4	4	4	2	3
19	3	3	3	3	3	3	3	3	2	2	2	1	1	1	1	2	2	2	3	4	4	4	4	4	3
20	4	3	3	3	3	4	5	5	5	4	3	3	3	3	2	3	3	3	3	4	5	6	4	5	4
21	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	5	5	5	5	2	3	5
22	3	2	2	2	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	2	2	2	3
23	2	1	1	2	2	3	3	3	4	4	3	4	3	3	3	3	2	2	3	3	3	2	2	2	3
24	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	4	4	4	3	4	4	3
25	3	3	3	3	3	3	3	3	4	4	4	4	3	3	3	3	2	2	3	4	4	4	4	4	3
26	4	3	4	4	4	4	3	3	3	3	2	2	2	2	2	1	2	2	2	2	2	2	2	1	3
27	2	2	2	2	2	2	2	3	3	3	3	3	3	3	2	3	3	3	3	3	3	2	2	2	3
28	2	2	2	2	2	2	3	4	4	3	2	2	2	3	2	2	4	4	4	4	5	5	5	6	3
MEAN	3	3	3	3	3	3	3	3	4	3	3	3	3	3	3	3	3	3	4	4	4	4	3	3	3.1

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.4 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES														MONTH - MAR 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6	6	6	5	4	4	4	5	5	4	3	3	3	4	****	4	4	5	5	5	4	2	2	2	4
2	3	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	3	3	4	4	4	5	5	6	3
3	5	4	5	6	5	3	2	3	3	3	2	2	2	3	3	2	3	3	2	2	2	3	2	2	3
4	3	2	3	3	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2
5	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1
6	1	1	1	1	1	2	3	3	3	2	3	2	2	2	2	3	3	3	4	5	4	5	5	4	3
7	5	5	4	4	4	4	4	3	4	3	3	2	2	4	4	4	3	2	3	3	4	4	5	4	3
8	4	3	3	3	3	3	3	3	4	4	4	3	3	2	2	2	3	3	3	3	3	4	4	4	4
9	3	3	3	3	3	3	3	4	5	4	4	4	3	6	6	7	6	5	4	5	4	6	5	5	4
10	3	3	3	3	3	3	4	5	8	7	6	6	6	6	6	5	5	5	7	9	10	8	8	8	6
11	8	7	5	3	2	2	3	3	4	4	4	4	4	3	3	3	5	7	9	8	6	5	5	5	5
12	6	6	6	6	5	4	3	3	3	3	4	3	3	3	4	4	3	3	4	5	5	5	5	4	4
13	4	3	3	3	3	3	4	5	5	5	5	4	5	6	5	5	4	4	4	4	5	5	5	5	4
14	5	5	4	2	1	1	2	2	2	2	2	2	2	2	3	3	3	3	3	2	2	2	2	2	2
15	1	1	1	1	1	2	2	2	3	3	2	3	2	3	2	3	4	4	3	3	3	2	2	2	2
16	2	2	1	1	3	2	3	3	3	2	2	2	2	1	2	2	2	2	2	3	2	2	3	3	2
17	3	2	2	2	2	2	3	3	3	2	2	1	1	3	2	2	3	3	3	3	3	2	2	2	2
18	2	3	3	2	1	1	2	2	2	1	1	1	1	3	2	2	2	3	3	2	2	2	2	2	2
19	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	1	1	1
20	1	1	1	1	2	3	3	3	3	3	2	2	2	1	2	2	3	3	3	3	4	4	4	3	2
21	2	1	1	1	1	1	2	2	3	3	3	3	3	3	3	3	4	3	3	2	2	2	2	2	2
22	1	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	4	3	3	3	3	2	2	2
23	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	4	4	4	3	2
24	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	2	2	2	2	1	1	1
25	1	1	1	1	2	2	2	1	1	1	1	1	1	2	2	2	2	2	2	1	2	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
27	2	2	2	2	2	2	2	2	2	2	2	3	4	4	4	4	4	4	4	4	3	3	3	2	3
28	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2
29	2	2	2	1	2	2	2	2	3	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	2
30	2	1	1	1	1	2	2	3	3	3	2	2	2	2	2	2	3	2	2	2	3	3	2	2	2
31	1	1	1	1	1	1	2	3	3	3	2	2	2	2	3	4	4	4	4	4	4	3	4	4	3
MEAN	3	2	2	2	2	2	2	3	3	3	2	2	2	3	3	3	3	3	3	3	3	3	3	3	2.7

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES														MONTH - APR 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	3	2	1	1	1	1	1	2	2	2	2	2	3	2	2	2	2	2	2	1	1	1	1	2
2	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2	3	4	3	4	3	1
3	3	3	2	1	1	1	2	2	2	2	2	2	3	3	3	4	4	3	3	3	3	3	3	3	3
4	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	1	2	2	2	2	2	2
5	2	1	1	1	1	1	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	0	1	1	1	2	2	3	3	2	2	2	2	2	2	2	3	3	3	3	3	3	3	4	3	2
7	3	3	3	2	2	2	2	2	2	1	2	2	2	3	3	3	3	3	3	3	2	2	2	2	2
8	1	1	1	1	1	0	1	1	1	1	2	1	2	1	1	1	2	2	2	2	2	2	2	2	1
9	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	- DATA INVALID -																								
11	- DATA INVALID -																								
12	- DATA INVALID -																								
13	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2
14	2	1	1	1	0	0	1	1	1	2	2	2	2	2	3	3	3	3	3	4	4	3	3	2	2
15	2	2	2	2	2	2	2	2	1	1	1	1	1	1	2	2	1	2	2	3	3	3	3	3	2
16	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2	2	2	2	3	4	2	2	4	2
17	3	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2	2	2	2	3	4	2	2	4	2
18	4	4	3	3	3	3	4	5	4	4	4	4	4	4	0	1	1	1	0	1	1	1	2	2	2
19	3	2	2	1	1	2	3	4	4	3	2	2	2	2	3	4	5	4	3	3	2	2	2	2	2
20	1	1	0	1	0	1	1	2	2	2	3	3	3	4	4	3	3	3	2	2	2	2	1	1	2
21	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	4	4	3	2	3	2
22	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	3	3	4	4	4	2
23	4	3	3	3	3	3	3	3	3	2	2	2	1	1	1	1	1	1	3	4	4	4	4	4	3
24	4	4	4	3	3	4	4	4	4	5	4	3	2	2	2	2	2	2	3	6	3	3	4	4	3
25	4	4	4	4	3	3	3	3	3	2	2	2	2	2	2	1	2	3	3	3	2	4	4	4	3
26	3	3	4	4	3	3	3	3	3	3	3	2	2	2	2	1	2	3	2	4	4	6	5	3	3
27	5	5	4	4	3	3	3	3	3	3	3	2	2	2	2	3	1	3	3	6	5	3	3	3	3
28	3	3	2	2	2	3	3	3	3	4	4	2	2	2	2	2	2	3	3	4	4	3	4	3	2
29	4	3	3	3	2	2	2	2	2	3	1	2	2	2	2	2	2	2	2	2	1	2	2	2	2
30	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1
MEAN	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	2.2

PERCENTAGE OF DATA VALID - 84.7 PERCENTAGE OF DATA INVALID - 15.3 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES															MONTH - MAY 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	3	3	3	2	2	2	2	2	2	1	1	2	3	3	2	3	2	2
2	1	1	1	1	1	2	3	2	3	3	2	2	2	2	2	2	2	2	2	3	3	3	3	4	3
3	3	3	2	2	3	3	4	3	3	....	4	3	2	2	2	2	2	2	2	2	2	3	4	4	3
4	4	4	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	2
5	1	1	1	2	2	2	3	3	2	0	0	0	0	3	3	3	3	2	3	2	2	2	2	2	2
6	2	3	2	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	1	1	2	2	2
7	2	2	2	2	2	2	2	2	2	3	2	2	2	2	1	1	1	1	1	0	0	1	1	1	2
8	2	1	1	1	1	2	3	3	2	3	2	2	2	1	1	1	1	1	1	1	1	1	2	1	1
9	0	1	1	1	1	1	1	2	1	1	4	2	2	1	1	1	1	1	1	1	1	1	2	1	1
10	0	0	0	0	0	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
11	2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1
12	1	1	1	1	1	1	1	2	....	....	2	1	1	1	1	1	1	1	1	1	2	1	1	1	1
13	1	1	1	1	0	1	1	1	0	0	1	1	1	1	1	1	2	1	1	1	1	1	1	0	1
14	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	1	0	5	2	2	1	2	2	1	1	2	2	2	2	2	1
17	2	1	1	0	0	1	2	1	1	1	2	2	2	2	2	3	2	1	2	2	2	2	2	1	2
18	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	2	2	....	....	2	2	2	1	1	2
19	1	1	1	0	0	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	2	1	1	0	1
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	....	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
30	0	1	0	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.8 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES

MONTH - JUN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	3	2	2	1
6	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1
8	1	1	0	0	0	0	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	0	0	0	0	0	1	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
10	1	1	1	1	1	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	.....	.....	.....	.....	.....	.....	.....	0	0	0	.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	.....	.....	.....	.....	.....	.....	.....	0	0	0	.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	5	1	.....	2	2	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	5	4	5	6	6	6	3	2
17	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2
18	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2	2	2	2	2	1
19	2	2	2	2	2	3	3	3	.....	.....	.....	2	3	2	3	2	2	1	2	2	2	2	4	4	2
20	4	4	3	3	3	3	3	4	3	2	3	2	2	2	2	2	2	2	3	3	5	6	6	5	3
21	3	3	8	7	4	6	6	5	6	5	5	4	3	3	3	3	2	2	2	3	3	3	3	3	4
22	3	3	3	2	2	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	1	1	1	2
23	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	4	3	3	2
24	2	2	2	2	2	2	2	2	2	3	2	2	2	2	1	1	1	1	1	3	5	6	6	4	2
25	4	4	3	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	3	3	2	1	2
26	1	1	2	1	2	2	2	4	3	3	2	.....	2	2	2	1	1	1	1	2	1	2	2	1	1
27	1	1	0	0	0	1	2	2	2	2	2	1	1	2	2	1	1	1	1	2	1	2	2	1	1
28	1	1	0	0	1	1	2	3	2	2	2	1	1	1	1	1	1	2	2	2	3	3	3	2	2
29	2	2	1	1	1	1	3	4	3	2	2	2	1	1	1	2	2	2	2	4	4	3	4	3	2
30	3	3	3	3	2	1	2	2	2	1	2	1	2	2	2	2	2	2	2	2	3	3	3	3	2
MEAN	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1.4

PERCENTAGE OF DATA VALID - 94.6

PERCENTAGE OF DATA INVALID - 5.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES

MONTH - JUL 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2	3	4	3	3	4	2
2	4	4	3	3	3	3	4	5	3	3	1	2	1	1	1	1	1	1	1	1	2	3	3	2	2
3	2	3	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2
4	2	1	1	1	1	1	2	2	2	2	2	1	1	2	3	2	2	2	3	3	4	4	4	2	2
5	3	3	3	2	2	3	3	3	2	1	2	2	2	2	1	2	1	2	2	2	3	3	2	1	2
6	1	1	1	1	1	3	3	2	2	1	1	2	.....	2	2	2	2	1	1	2	3	3	2	2	2
7	1	1	1	1	1	1	2	3	2	2	2	1	2	2	2	2	2	2	2	3	3	3	2	1	2
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1
9	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1
10	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2	1	1	1	1
11	1	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	1	1	2	3	4	4	4	3	2
12	3	3	2	2	1	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	4	4	5	4	2
13	3	2	2	1	2	3	3	3	3	2	2	2	3	2	2	3	2	2	1	1	2	2	2	2	2
14	2	2	1	1	2	3	4	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2
15	2	1	2	2	2	2	2	3	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	2
16	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	1	1	2	1
17	2	2	2	2	1	1	2	2	2	3	3	2	1	1	1	2	2	2	1	1	2	2	3	2	2
18	1	1	1	1	1	1	2	3	3	2	1	1	1	1	1	2	2	2	1	3	3	3	2	2	2
19	2	2	1	1	1	1	2	3	3	3	2	2	2	2	2	1	2	2	3	4	4	3	3	3	2
20	2	1	1	1	1	2	2	3	2	3	.....	2	2	2	2	2	1	2	1	3	2	2	2	1	2
21	2	1	1	1	1	1	2	3	2	2	3	4	3	2	2	3	2	2	2	2	2	3	2	2	2
22	2	1	1	1	1	1	2	1	1	1	1	2	1	1	1	1	1	1	2	2	2	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1
24	3	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2	2	1	1	2	2	3	3	3	2
25	3	3	3	3	3	3	3	3	2	3	2	2	2	2	1	1	2	1	1	2	3	2	2	2	2
26	1	1	1	1	1	1	2	2	1	1	1	2	2	1	1	2	2	1	1	2	1	2	1	1	1
27	1	1	1	0	0	1	2	1	1	2	2	2	1	1	1	2	2	2	2	2	2	2	2	1	1
28	0	0	0	1	1	1	1	1	1	1	1	2	2	2	2	2	1	2	2	2	2	2	1	1	1
29	2	2	1	1	1	1	2	2	2	2	1	2	2	1	1	1	1	2	2	2	2	1	1	1	1
30	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1
31	2	2	1	1	1	2	2	3	3	2	3	3	2	2	2	3	2	2	3	5	3	2	3	2	2
MEAN	2	2	1	1	1	2	2	2	2	2	2	2	2	1	1	2	2	1	2	2	2	2	2	2	1.7

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES															MONTH - AUG 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	1	1	1	2	4	3	2	2	2	2	2	2	2	2	2	1	2	2	3	2	2	2	2
2	2	2	2	2	2	2	3	3	***	2	2	2	2	2	2	2	2	2	2	3	3	2	2	1	2
3	1	1	1	1	1	1	3	3	2	3	2	3	3	3	3	3	2	2	2	4	5	2	2	2	2
4	2	2	1	1	1	2	2	2	2	2	1	2	2	2	2	2	2	2	2	3	3	2	2	2	2
5	2	3	2	2	2	2	3	3	3	4	3	3	3	2	2	2	2	2	2	3	4	4	3	2	3
6	2	2	1	1	1	2	2	2	3	3	2	3	2	1	1	1	2	2	2	3	6	7	6	6	3
7	6	5	5	5	4	3	4	4	3	2	1	1	2	2	2	1	2	2	2	3	5	5	3	2	3
8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2
9	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	2	2
10	2	2	2	2	2	2	2	2	2	2	3	2	2	***	1	1	1	1	2	2	3	3	2	2	2
11	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	1	3	4	5	5	4	3	2
12	3	3	3	2	2	2	3	3	3	3	2	2	2	1	2	2	2	2	2	3	4	3	3	2	2
13	4	4	4	3	2	1	2	2	2	2	1	1	1	1	1	1	1	2	2	2	3	2	2	1	2
14	1	1	1	1	2	3	4	5	3	2	2	1	1	1	1	2	1	1	2	3	5	6	5	4	2
15	3	2	2	1	1	2	3	5	3	3	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2
16	1	1	1	1	1	1	1	2	2	2	2	2	1	2	1	1	1	1	1	1	1	1	2	1	1
17	1	1	1	1	1	1	1	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2
18	2	2	2	2	2	2	2	3	4	3	3	3	3	2	2	2	2	2	3	6	5	5	3	3	3
19	3	2	2	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	2	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	4	4	4	4	3	2
21	2	2	2	2	2	2	2	2	3	3	3	3	2	1	2	2	2	2	3	5	5	5	4	3	3
22	3	3	3	3	2	2	3	4	4	4	5	3	2	3	2	2	2	2	3	3	3	2	2	2	3
23	1	1	1	1	1	2	4	5	4	3	2	2	2	2	3	3	2	2	3	3	3	2	2	2	2
24	2	1	1	1	1	2	2	2	2	2	2	2	2	2	3	4	5	4	5	6	6	6	5	3	2
25	1	1	1	1	1	1	2	3	2	2	2	1	1	1	1	1	1	2	2	3	4	6	5	4	3
26	5	5	4	3	3	3	3	3	2	2	1	1	1	1	1	1	1	2	2	4	6	5	4	4	3
27	4	4	3	2	2	2	2	2	2	2	1	1	1	2	1	1	1	2	1	2	2	2	2	2	2
28	2	2	2	1	1	1	2	2	2	2	2	1	2	2	2	2	***	2	2	2	2	2	2	1	2
29	1	1	1	1	1	1	2	2	2	2	2	1	2	2	3	3	2	2	4	3	3	3	3	3	2
30	3	3	3	2	2	2	3	3	3	3	3	3	3	2	3	3	3	3	4	4	4	4	3	2	3
31	2	1	1	1	1	2	3	3	3	2	2	2	2	2	2	2	2	2	3	6	6	5	4	3	3
MEAN	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	3	4	3	3	2	2.3

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.4 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES															MONTH - SEP 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	4	3	4	4	3	3	3	2	2	2	2	2	2	2	2	2	2	3	6	6	5	4	4	3
2	5	4	3	3	3	4	4	3	3	2	2	2	2	2	2	2	2	2	3	4	3	3	4	2	3
3	2	2	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	2	2	2	2	1	1	1
4	1	0	0	0	0	1	2	1	2	1	1	1	1	1	1	1	1	2	2	3	3	4	3	1	3
5	1	1	1	1	1	2	2	3	4	4	4	3	2	2	2	3	3	3	2	2	2	1	1	1	2
6	1	1	0	1	1	2	3	3	3	3	2	2	2	2	2	3	3	3	2	2	2	1	1	1	2
7	1	1	1	1	1	1	3	5	4	2	2	2	1	1	2	2	2	2	1	1	1	1	1	1	2
8	1	1	1	1	1	1	2	2	2	2	2	2	2	***	2	2	2	2	2	2	2	2	2	2	2
9	2	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2	2	3	4	3	3	3	3	2
10	3	2	2	2	2	3	3	2	3	2	2	2	3	3	3	3	3	2	2	4	4	3	3	3	3
11	3	2	1	1	1	2	2	2	2	2	2	3	2	2	2	2	2	2	2	3	2	2	2	2	2
12	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2	2	2
13	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
14	2	2	2	2	2	3	3	4	3	3	3	2	2	2	2	2	2	2	3	2	2	2	2	1	2
15	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	4	2	2	1	2
16	1	1	1	1	1	1	2	4	2	2	3	2	2	1	2	2	2	2	3	3	2	2	3	3	2
17	2	2	2	2	2	2	2	2	2	3	2	2	2	3	2	2	2	2	3	2	2	1	1	1	2
18	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	1	2
19	1	1	1	1	1	2	3	3	3	2	2	2	2	2	2	3	3	2	3	3	3	3	3	2	2
20	3	3	3	3	2	2	2	3	4	6	6	4	***	4	3	3	3	3	4	4	3	4	3	3	3
21	2	2	1	1	1	1	2	3	3	2	3	3	4	4	4	3	3	3	3	3	2	2	2	2	2
22	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	3	3	3	4	2	1	2	2
23	1	1	2	2	2	2	2	2	3	3	2	2	3	2	2	2	2	2	2	3	3	4	4	4	2
24	3	3	3	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	3	3	2	2	2	2	2
25	2	1	1	1	1	2	2	2	3	3	3	3	3	2	2	2	2	2	2	3	3	2	2	2	2
26	3	2	2	2	2	3	3	3	3	3	2	2	3	2	2	2	2	2	3	4	3	4	3	2	3
27	2	2	2	2	2	3	3	4	4	4	4	3	3	3	3	3	3	3	4	4	3	2	2	2	2
28	1	1	1	1	1	1	2	2	3	3	3	3	3	3	3	3	3	4	4	4	3	3	3	3	3
29	2	2	2	2	2	2	3	3	3	3	2	2	2	2	3	3	4	4	4	4	3	3	3	3	2
30	3	3	3	3	2	2	3	3	3	3	2	1	2	2	3	3	3	3	2	2	2	2	2	2	2
MEAN	2	2	2	2	1	2	2	3	3	3	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2.2

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES															MONTH - OCT 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	2	2	2	
2	2	2	1	1	1	2	3	4	3	2	2	2	3	3	3	3	3	3	4	4	4	4	4	3	
3	3	3	3	2	2	2	2	3	3	3	3	2	3	3	3	3	4	4	4	4	4	3	2	2	
4	1	1	1	1	1	1	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
5	3	2	1	1	1	2	2	2	2	***	2	3	3	3	3	3	4	4	4	3	4	3	2	2	2
6	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2	2	3	2	2	2	1	1	1	1	
7	1	1	1	1	1	1	1	1	1	1	2	1	1	2	2	2	1	1	1	1	1	1	1	1	
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	
9	2	1	1	1	1	2	2	2	2	1	1	1	2	1	1	1	1	2	4	3	3	3	2	1	
10	1	1	1	1	1	2	3	3	3	3	3	2	3	4	4	4	4	4	4	4	5	4	3	3	
11	4	3	2	3	3	3	3	4	4	***	3	3	4	3	3	3	4	6	5	5	2	2	1	1	
12	2	1	1	1	1	2	3	3	2	2	2	2	2	2	2	3	3	3	3	3	4	4	3	2	
13	2	1	1	1	1	2	2	2	2	2	2	2	2	3	3	2	3	3	3	2	1	1	1	1	
14	1	1	1	1	1	1	2	2	2	2	2	2	2	3	2	2	3	2	3	2	1	1	1	1	
15	3	3	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	3	3	2	3	3	3	
16	3	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	3	3	3	3	5	3	3	3	
17	3	3	3	3	3	3	3	3	3	***	***	***	***	3	3	3	3	3	5	4	4	3	3	4	
18	3	3	3	2	3	3	3	3	3	4	4	3	3	4	4	4	3	3	3	3	3	3	3	3	
19	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	1	1	
20	1	1	1	2	2	3	3	3	3	3	2	2	3	3	3	4	4	4	5	4	4	4	4	4	
21	4	3	3	2	2	3	3	3	4	3	3	3	3	4	3	3	3	3	4	3	3	3	2	2	
22	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
23	2	2	2	2	2	2	3	3	2	2	3	3	3	3	3	3	3	3	3	2	2	2	2	2	
24	2	2	2	2	1	2	3	3	3	3	2	2	2	3	3	3	3	4	3	4	4	3	3	3	
25	4	3	3	3	2	3	3	3	3	3	4	4	***	4	4	4	4	3	2	2	2	2	2	2	
26	1	1	1	1	1	1	2	2	3	3	3	3	3	3	2	2	2	2	3	3	2	3	2	2	
27	3	2	1	1	1	2	2	3	2	2	2	3	3	3	4	4	2	3	3	3	3	3	3	3	
28	3	3	3	2	3	3	3	3	4	3	3	3	3	3	2	3	3	3	3	2	2	2	3	3	
29	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	
30	3	2	3	3	3	2	3	3	3	2	3	3	***	***	3	4	5	5	4	5	4	3	2	2	
31	2	2	2	1	2	2	3	4	4	4	4	4	6	6	7	6	9	8	5	3	3	3	3	3	
MEAN	2	2	2	2	2	2	2	3	3	2	3	2	3	3	3	3	3	3	3	3	3	3	2	2	

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES														MONTH - NOV 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	3	3	2	2	3	2	3	3	2	4	3	2	3	4	5	4	5	4	4	4	4	3	3
2	2	2	2	1	1	1	2	3	3	3	4	3	3	4	5	5	5	5	5	4	4	4	5	5	3
3	4	4	4	4	4	4	3	4	4	6	5	4	4	7	8	6	8	8	9	8	7	7	7	7	6
4	5	4	5	4	4	5	4	5	5	5	5	4	4	4	4	4	6	5	4	5	4	4	4	5	5
5	5	6	4	3	4	4	4	3	3	4	3	3	3	3	3	3	4	4	4	4	3	3	3	3	4
6	3	2	2	2	2	3	3	4	5	5	4	4	4	3	3	3	3	3	3	2	3	3	3	2	3
7	3	2	2	2	2	2	3	2	3	3	3	2	2	2	2	3	4	3	3	3	3	3	3	3	2
8	3	3	3	3	3	2	2	2	3	4	3	2	3	2	3	3	3	4	4	3	3	3	3	3	3
9	2	2	2	3	3	3	3	3	4	3	3	4	4	4	4	4	5	4	5	4	4	4	4	4	4
10	3	3	4	4	3	4	4	3	4	3	4	4	4	4	4	4	4	4	4	3	3	4	3	4	3
11	3	3	3	4	4	4	4	3	4	3	3	4	4	5	5	5	5	5	4	4	3	2	2	2	4
12	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	2	2	2	2	3	2
13	2	2	2	1	1	2	2	2	2	2	2	3	3	3	4	3	3	3	3	3	3	3	3	3	3
14	2	2	2	1	1	2	2	2	2	3	3	2	3	2	2	3	2	3	2	2	2	2	2	2	2
15	2	2	1	1	1	1	2	2	2	2	2	3	3	3	3	4	4	4	4	4	4	3	3	3	3
16	3	2	3	2	2	2	3	5	3	2	2	3	3	3	3	3	3	3	3	3	3	3	3	2	3
17	2	2	2	2	2	2	2	2	2	2	4	4	4	4	4	2	2	2	2	2	2	2	2	2	2
18	2	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	2	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2
20	2	2	1	1	1	1	2	3	3	2	3	3	3	2	3	3	3	3	3	2	2	2	2	2	2
21	1	1	1	1	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2
22	3	2	2	2	1	2	2	3	3	3	3	3	4	4	3	3	3	3	3	3	3	3	3	3	3
23	3	3	2	3	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3
24	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2
25	1	1	1	1	1	1	2	1	2	2	3	3	3	3	3	3	3	3	2	2	2	2	1	2	2
26	1	1	1	1	1	2	2	3	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	2
27	1	1	1	1	1	2	2	2	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2
28	3	2	3	2	2	2	3	2	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	3	2
29	3	2	2	2	2	2	2	3	3	3	2	2	3	3	3	3	3	3	3	3	3	3	2	3	3
30	2	2	2	1	1	1	1	2	2	2	2	2	2	2	3	2	3	2	3	3	3	3	3	3	2
MEAN	3	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2.7

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES														MONTH - DEC 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	****	3	3	3	3	3	3	3	3	3
2	3	2	2	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	2	2	1	1	2
3	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	2	1	1	1	1	1	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	1	1	2
6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	2	2	2	2	2
7	3	3	2	2	2	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	3	3
8	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	3	3
9	3	2	2	2	2	1	2	2	3	3	3	3	3	3	3	3	2	2	2	2	2	2	1	1	2
10	1	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2
11	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
12	3	3	3	2	2	2	2	3	3	3	3	3	2	2	3	3	3	3	3	3	3	2	2	2	3
13	2	2	2	2	1	1	2	2	3	2	3	3	2	****	2	2	2	2	2	1	1	2	1	1	2
14	1	1	1	1	1	1	1	2	3	3	2	2	2	2	2	****	3	3	3	3	2	2	2	2	2
15	2	2	2	2	1	1	2	2	2	2	3	2	2	2	2	2	2	2	3	3	3	3	3	3	3
16	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	3	3	3	3
17	3	3	3	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3	3	3	3	3	2
18	1	1	1	1	1	1	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
19	2	3	3	2	1	1	2	2	4	3	3	3	3	3	4	4	4	4	3	3	3	3	3	3	3
20	3	3	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	3
21	2	2	2	3	2	2	2	2	2	2	2	3	3	3	3	3	3	4	3	3	3	2	2	2	3
22	2	2	3	3	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	3	3	3
23	2	2	2	1	1	1	1	1	2	2	2	2	3	3	3	3	3	4	3	3	3	3	3	3	2
24	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	4	4	4	4	4	3	3	3	3
25	3	3	3	3	3	3	2	2	2	2	3	2	2	2	2	1	2	2	1	1	2	2	1	1	2
26	1	1	1	1	1	1	2	2	3	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2
27	2	2	1	1	1	1	1	2	2	2	2	2	3	2	3	3	3	3	3	3	3	2	2	2	3
28	2	2	2	2	2	3	3	3	3	3	4	4	3	3	4	4	4	4	4	5	4	4	4	4	3
29	4	4	4	4	4	4	4	4	5	9	4	3	3	4	3	4	4	4	3	3	4	3	3	3	4
30	3	3	3	3	3	3	3	3	4	3	4	4	5	5	5	4	5	4	4	4	3	3	3	3	4
31	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3
MEAN	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2.5

PERCENTAGE OF DATA VALID - 99.5

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES														MONTH - DEC 78										
MONTH	NO OF DAYS		AVERAGE CONCENT		24-HOUR MAXIMUM		MAXIMUM READING																	
JAN	31		2.5		5		6																	
FEB	28		3.1		5		6																	
MAR	31		2.7		6		10																	
APR	25		2.2		3		6																	
MAY	31		0.9		3		5																	
JUN	29		1.4		4		8																	
JUL	31		1.7		2		5																	
AUG	31		2.3		3		7																	
SEP	30		2.2		3		6																	
OCT	31		2.5		4		9																	
NOV	30		2.7		6		9																	
DEC	31		2.5		4		9																	
YEAR	359		2.2		6		10																	

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	149	462	125	0	0	0	0	736
FEB	67	360	242	0	0	0	0	669
MAR	140	434	154	14	0	0	0	742
APR	144	395	71	0	0	0	0	610
MAY	538	192	8	0	0	0	0	738
JUN	419	223	37	2	0	0	0	681
JUL	322	399	21	0	0	0	0	742
AUG	170	485	85	1	0	0	0	741
SEP	150	508	60	0	0	0	0	718
OCT	118	528	87	3	0	0	0	736
NOV	84	490	131	10	0	0	0	715
DEC	98	583	58	1	0	0	0	740
YEAR	2399	5059	1079	31	0	0	0	8568

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
97.8	0	0.2	1.1	1.6	2.3	3.3	3.9	4.8	5.3	10	2.2

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29008 NORTH PARK HAMILTON

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	2	2	3	2	2	3	3	3	1
2	2	4	3	1	1	1	4	4	4	5	5	5	5	5	4	4	4	4	4	4	4	4	3	4	4
3	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	4	4	4	4	4	5	4	4	4	4
4	4	5	5	5	5	5	4	5	5	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5
5	5	4	4	5	4	4	4	4	4	5	6	6	6	5	5	5	5	5	5	5	5	5	5	6	5
6	5	3	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
7	1	1	1	2	3	3	3	3	3	3	2	2	2	2	4	3	2	2	3	3	4	4	3	4	3
8	4	4	4	4	4	4	3	3	3	3	3	3	3	3	4	4	4	4	4	4	3	3	3	3	3
9	2	2	2	2	2	2	3	3	4	4	4	4	4	3	4	4	4	4	4	4	4	3	3	3	3
10	3	3	2	3	3	2	2	3	3	3	3	3	3	3	4	4	4	4	4	4	3	3	3	3	3
11	4	4	4	5	4	4	4	4	4	4	4	5	5	5	5	6	6	6	5	5	4	5	4	4	5
12	4	4	4	5	4	5	5	5	5	5	5	5	5	5	5	5	6	6	6	5	5	5	5	5	5
13	5	4	5	5	4	4	3	2	2	2	2	2	2	3	3	3	3	3	3	3	2	1	1	1	3
14	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	3	1
15	3	3	3	2	2	1	3	5	5	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	4
16	5	4	5	5	5	5	5	6	6	6	6	6	5	5	5	5	5	6	6	5	5	5	5	5	5
17	5	4	4	5	5	3	3	4	4	4	5	4	3	4	2	2	2	1	1	1	1	1	1	2	3
18	2	3	2	2	1	1	1	2	2	3	2	3	2	4	6	5	4	4	5	5	5	5	6	6	3
19	5	5	4	4	4	4	5	6	6	7	7	5	4	3	3	3	5	5	5	5	5	5	4	2	5
20	1	1	1	1	1	1	1	1	1	1	1	5	4	4	4	4	4	4	4	4	3	2	2	2	2
21	1	1	1	1	2	3	4	4	4	4	4	5	4	5	5	5	5	5	5	5	5	4	4	4	4
22	4	4	4	4	4	3	4	4	4	4	4	4	5	5	5	6	6	6	6	5	5	5	5	5	5
23	5	5	6	6	6	6	6	5	5	5	6	6	6	6	7	7	7	8	8	8	7	6	6	6	6
24	6	6	6	6	6	6	6	6	6	6	7	7	8	7	8	8	8	8	7	7	6	6	6	6	7
25	6	5	5	5	5	5	5	5	5	4	5	5	6	5	5	4	4	4	3	2	2	2	2	2	4
26	2	2	2	4	3	3	2	4	4	3	3	2	2	1	1	1	1	2	2	3	4	4	4	4	3
27	3	3	3	3	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	4	4
28	4	5	4	4	5	7	6	5	4	4	5	5	5	5	5	5	5	6	6	5	4	4	4	3	5
29	1	1	2	3	3	2	3	3	3	3	3	3	4	4	4	4	4	4	5	5	4	4	4	4	3
30	4	4	4	6	5	5	4	5	5	5	5	5	5	5	5	5	5	5	5	6	5	5	5	5	5
31	5	5	5	5	5	5	5	5	5	5	5	5	5	6	7	8	8	6	6	6	7	6	5	5	6
MEAN	3	3	3	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3.9

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 29008 NORTH PARK HAMILTON															MONTH - FEB 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6	5	5	6	5	5	5	5	5	5	5	5	5	6	6	6	7	7	6	6	6	6	6	6	6
2	6	6	5	5	6	6	7	7	7	7	8	8	8	8	9	9	8	8	8	7	6	6	6	7	7
3	5	5	5	5	5	4	5	5	5	6	6	3	2	2	2	5	6	6	5	4	4	4	4	4	4
4	4	4	4	4	4	4	4	4	4	4	3	2	2	3	3	3	4	4	5	6	6	6	5	5	4
5	6	5	5	5	5	4	3	3	1	3	2	1	1	1	2	1	2	4	4	2	2	2	2	2	3
6	2	2	1	1	1	1	1	2	2	2	2	2	3	1	2	2	2	2	2	2	1	1	1	1	2
7	1	1	1	1	2	0	1	1	2	3	3	3	1	3	4	2	2	3	4	3	2	2	2	2	2
8	2	2	2	2	4	4	2	2	3	5	4	4	4	3	3	4	5	5	5	6	7	7	7	7	4
9	7	6	6	6	6	5	6	6	5	5	6	7	8	7	8	7	7	7	6	6	5	5	5	5	6
10	6	5	5	4	4	5	6	6	6	5	6	6	7	6	6	6	6	6	7	7	7	6	7	7	6
11	8	7	7	7	6	5	6	6	6	6	6	7	6	7	7	7	6	6	6	5	6	6	6	6	6
12	6	6	5	5	6	5	6	7	6	5	7	6	6	6	5	5	6	6	6	7	7	8	7	8	6
13	8	8	8	5	6	6	4	4	4	4	4	1	2	1	2	1	2	2	1	4	5	4	3	3	4
14	3	3	3	3	3	2	2	3	3	3	4	4	4	4	2	1	2	2	4	5	5	5	4	4	3
15	5	4	4	4	4	4	4	5	5	6	8	7	7	7	8	8	8	8	9	9	9	8	8	7	7
16	7	6	6	6	6	6	6	6	6	6	6	7	6	6	6	7	7	8	8	8	7	7	6	6	7
17	6	6	6	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	7	7	7	7	7	6
18	7	7	6	6	5	5	5	5	6	6	5	5	6	6	6	6	6	7	7	6	6	5	5	5	6
19	5	4	4	4	3	3	3	3	3	3	4	4	5	4	4	4	4	5	5	5	5	4	4	4	4
20	6	5	6	6	6	5	6	7	7	7	7	8	8	8	8	7	8	9	8	8	8	7	7	7	7
21	7	6	6	5	5	5	6	6	6	6	7	7	7	8	5	3	3	7	7	6	6	6	5	4	6
22	4	4	4	3	3	3	4	5	5	4	4	5	5	5	5	5	5	5	5	4	5	5	6	6	5
23	6	6	6	5	5	5	6	7	6	7	7	8	8	8	8	9	9	9	9	8	8	7	7	7	7
24	7	7	7	7	5	6	6	5	6	5	5	6	6	6	6	7	7	8	7	8	8	7	7	6	6
25	6	4	4	4	2	2	1	2	2	2	2	1	1	2	4	3	4	4	4	5	5	4	4	4	3
26	4	4	4	3	2	2	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
27	5	3	3	2	3	3	4	4	4	4	5	5	5	5	5	5	5	5	5	6	6	6	6	6	5
28	6	6	5	5	4	5	6	6	6	6	7	7	7	7	7	5	4	4	5	5	7	7	7	7	6
MEAN	5	5	5	4	4	4	4	5	5	5	5	5	5	5	5	5	5	6	6	6	6	5	5	5	5.0

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 29008 NORTH PARK HAMILTON															MONTH - MAR 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	7	7	7	6	6	7	8	8	8	8	8	6	2	3	7	6	8	7	6	5	5	5	4	4	6
2	5	5	5	5	4	3	4	4	4	5	5	6	6	6	6	6	6	6	6	6	6	5	5	5	5
3	6	6	6	4	5	5	2	1	1	1	1	1	1	1	1	2	4	3	3	4	4	5	5	5	3
4	5	5	4	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4
5	4	4	4	4	3	4	4	4	4	4	4	4	4	5	5	6	6	6	6	7	7	9	9	8	5
6	7	7	5	5	5	5	5	5	5	6	6	5	4	4	9	9	9	9	9	8	8	9	8	7	7
7	6	5	4	5	6	6	6	6	6	7	6	3	3	2	2	2	2	2	2	4	3	2	2	2	4
8	2	2	2	2	3	3	3	5	4	5	5	1	1	1	1	1	1	1	1	1	4	5	5	5	3
9	5	5	5	5	5	5	6	6	6	8	8	8	9	9	8	9	10	9	10	11	10	10	9	10	8
10	8	7	6	6	7	7	6	7	8	7	6	8	11	7	6	5	4	4	5	11	12	12	11	11	8
11	11	11	9	7	6	7	7	8	8	8	9	9	11	12	13	11	12	13	12	14	13	9	10	5	10
12	5	6	9	8	7	4	6	9	9	8	2	2	2	2	2	2	2	2	2	4	7	7	7	6	4
13	5	5	5	5	5	5	6	6	6	5	6	6	4	3	2	2	3	3	2	2	2	1	2	2	4
14	1	1	2	2	1	1	5	5	7	7	7	7	6	6	6	7	8	8	8	7	8	7	7	7	6
15	6	4	4	3	3	4	5	5	5	5	5	5	5	5	5	5	6	6	5	5	5	4	4	4	5
16	4	4	4	4	3	1	3	3	3	3	3	2	2	1	1	1	1	1	1	1	1	1	1	1	2
17	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	2	3	6	6	6	5	5	5	2
18	4	4	4	4	4	5	6	6	5	5	6	6	7	6	7	7	8	9	9	8	6	6	5	5	6
19	5	5	5	5	6	6	6	6	6	6	6	5	5	5	5	5	5	5	6	5	5	5	5	5	5
20	5	5	4	4	4	4	3	3	3	3	5	6	5	5	5	2	2	2	1	1	1	1	1	2	3
21	2	2	4	4	4	5	5	5	6	6	6	6	6	5	5	6	7	7	6	5	5	5	5	5	5
22	5	4	4	4	5	5	6	6	6	6	5	5	6	6	6	6	6	6	6	6	5	5	5	4	5
23	4	4	4	4	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5
24	4	4	4	2	1	0	0	0	0	1	1	1	1	1	1	1	2	2	2	2	2	3	3	3	2
25	3	2	3	3	2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	0	0	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1
27	1	1	1	1	2	3	2	3	3	4	4	4	5	6	6	6	7	8	6	6	5	5	5	5	4
28	4	5	6	5	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	5	5	5	5
29	6	5	5	4	4	4	5	5	5	5	4	5	4	5	5	4	5	4	4	4	4	4	4	4	5
30	4	4	4	4	3	4	4	5	5	5	5	5	6	6	6	6	6	6	6	6	5	5	6	6	5
31	6	6	6	4	6	5	5	5	5	5	6	6	6	6	4	3	4	4	3	2	2	2	2	2	4
MEAN	5	4	4	4	4	4	4	5	5	5	5	5	5	4	4	5	5	5	5	5	5	5	5	5	4.6

PERCENTAGE OF DATA VALID - 98.7

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION														
STATION - WC NO 29008 NORTH PARK HAMILTON												MONTH - APR 78														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	3	3	3	4	3	4	6	6	6	7	7	6	6	6	5	4	4	4	4	4	4	3	3	4	5	
2	4	3	2	2	1	1	2	2	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	4	2	
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
4	1	1	2	2	1	1	1	2	2	2	1	1	1	2	2	2	2	2	3	4	4	4	4	3	2	
5	3	3	3	3	3	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	4	5	4		
6	4	4	4	4	3	3	3	4	4	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	
7	1	4	4	3	3	3	4	4	5	4	4	- DATA UNAVAILABLE -														
8														- DATA UNAVAILABLE -												
9														- DATA UNAVAILABLE -												
10														- DATA UNAVAILABLE -												
11														- DATA UNAVAILABLE -												
12														- DATA UNAVAILABLE -												
13														- DATA UNAVAILABLE -												
14														- DATA UNAVAILABLE -												
15														- DATA UNAVAILABLE -												
16														- DATA UNAVAILABLE -												
17														- DATA UNAVAILABLE -												
18														- DATA UNAVAILABLE -												
19														- DATA UNAVAILABLE -												
20														- DATA UNAVAILABLE -												
21														- DATA UNAVAILABLE -												
22														- DATA UNAVAILABLE -												
23														- DATA UNAVAILABLE -												
24														- DATA UNAVAILABLE -												
25														- DATA UNAVAILABLE -												
26														- DATA UNAVAILABLE -												
27														- DATA UNAVAILABLE -												
28														- DATA UNAVAILABLE -												
29														- DATA UNAVAILABLE -												
30														- DATA UNAVAILABLE -												
MEAN	2	3	3	3	2	2	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	2	3	2.7	

PERCENTAGE OF DATA VALID - 21.5 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 78.5

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. -.- INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION												
STATION - WC NO 29008 NORTH PARK HAMILTON														MONTH - MAY 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	-	-	-	-	-	-	-	-	5	5	5	5	4	*****	2	2	3	3	3	2	5	5	5	4	4	*****
2	4	4	4	4	5	5	5	5	3	3	3	3	3	3	3	3	3	3	2	2	3	5	5	5	4	
3	4	4	3	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2	
4	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
5	2	1	1	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	4	4	2	
6	4	5	5	4	5	5	5	5	6	4	3	3	3	3	3	3	2	2	2	2	2	2	1	2	3	
7	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	3	3	5	5	5	5	5	5	5	3	
8	5	5	5	5	5	6	6	6	6	*****	7	7	7	7	7	7	6	7	6	6	6	6	6	6	6	
9	7	7	6	5	5	6	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	5	5	5	
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11	5	5	5	5	6	6	7	6	3	2	4	8	9	9	10	11	11	10	3	2	2	2	2	2	6	
12	1	1	1	1	2	3	3	2	2	2	2	2	2	3	6	7	8	8	7	7	3	3	3	3	4	
13	3	2	2	2	2	1	1	1	2	2	2	2	2	2	4	2	4	5	2	2	6	3	2	1	2	
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	6	5	5	2	
17	2	2	2	2	2	2	4	3	3	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	2	
18	1	1	1	3	3	4	4	4	5	6	5	7	4	3	6	6	7	7	7	7	7	7	7	6	5	
19	7	6	6	6	6	6	7	8	9	9	11	10	10	10	10	10	11	11	12	11	10	10	10	11	9	
20	11	11	9	10	9	9	9	10	11	12	11	11	11	10	10	10	10	9	10	9	9	8	8	7	10	
21	6	5	3	2	1	2	2	1	1	1	1	1	1	1	1	1	1	2	3	5	4	5	5	4	2	
22	3	3	3	3	3	4	4	4	5	5	6	3	2	2	2	2	2	2	3	6	6	6	7	6	4	
23	7	7	6	4	4	4	4	4	*****	4	4	3	3	3	3	3	3	2	2	2	2	2	2	2	3	
24	2	2	2	2	5	7	5	5	5	5	3	2	2	2	2	2	2	2	2	2	2	2	2	2	7	
25	7	5	7	6	6	6	7	8	10	11	11	11	4	3	3	3	3	3	3	9	7	10	9	12	9	
26	11	11	10	11	11	11	12	12	13	14	8	5	4	4	4	4	4	3	3	5	9	10	10	11	9	
27	12	12	12	11	9	5	6	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	5	
28	3	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
29	2	2	2	2	2	3	2	*****	*****	4	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	
30	2	2	2	2	2	3	7	8	5	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1	
31	2	6	5	5	5	5	5	5	6	8	9	8	8	8	9	9	9	10	9	10	9	8	8	7	7	
MEAN	4	4	4	4	4	4	4	4	4	4	4	4	4	3	4	4	4	4	4	4	4	5	4	4	4.0	

PERCENTAGE OF DATA VALID - 95.0 PERCENTAGE OF DATA INVALID - 3.9 PERCENTAGE OF DATA UNAVAILABLE - 1.1

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. -.- INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 29008 NORTH PARK HAMILTON															MONTH - JUN 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	7	6	6	6	5	5	5	4	4	4	4	4	4	4	3	3	2	2	3	3	3	2	4	6	4
2	6	4	5	6	6	7	8	8	7	8	9	9	10	10	10	10	9	9	9	8	8	8	8	8	8
3	7	6	5	4	4	3	2	3	4	5	5	4	6	7	7	7	7	7	7	7	7	7	6	6	6
4	6	5	5	5	5	5	6	6	4	5	5	4	5	8	8	8	8	8	8	9	9	9	9	8	7
5	7	4	5	5	5	5	5	5	4	4	4	4	4	5	6	6	6	6	5	5	6	6	6	6	5
6	5	5	5	5	6	6	6	6	7	6	6	6	6	4	7	7	7	7	7	7	7	7	8	7	6
7	8	6	5	6	3	3	3	4	4	4	3	3	3	3	3	3	3	2	4	4	5	4	4	3	4
8	2	2	3	3	5	5	6	6	6	6	7	8	8	9	9	9	8	6	6	5	5	4	4	4	6
9	4	3	3	3	4	5	5	5	5	5	6	6	7	7	7	8	8	7	7	7	6	6	5	4	6
10	4	4	4	4	4	4	4	4	3	3	3	3	3	2	2	2	1	1	2	2	2	3	7	7	3
11	6	5	6	6	6	6	6	6	7	8	9	8	8	8	9	9	9	10	11	11	10	10	9	8	8
12	6	5	5	6	7	7	7	7	7	9	10	10	9	10	10	9	8	8	7	7	6	4	4	3	7
13	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	5	4	4	4	4	4	3	3	3
14	3	3	3	3	3	3	4	4	4	4	4	5	4	4	4	4	5	5	4	4	4	4	4	4	4
15	4	4	5	6	7	7	8	9	9	9	8	8	8	8	8	8	8	7	7	5	6	6	6	6	7
16	5	6	4	4	4	3	4	5	3	3	3	3	2	3	2	3	2	2	2	3	2	2	2	2	3
17	1	1	1	1	1	1	2	1	1	1	1	2	3	7	8	9	9	9	9	8	8	8	8	8	5
18	7	6	5	5	4	5	5	6	7	7	7	7	8	8	7	7	7	7	7	7	6	6	6	6	6
19	5	5	4	4	4	4	4	5	5	6	6	6	6	3	3	3	3	7	7	7	7	7	6	7	5
20	5	5	5	5	5	5	5	5	5	5	4	3	3	3	3	2	2	2	2	2	4	6	7	6	4
21	4	4	8	8	4	4	6	6	6	6	4	4	4	8	8	8	8	7	6	5	5	4	4	4	6
22	4	4	4	4	4	4	4	4	4	5	5	5	5	6	6	6	6	7	7	8	8	7	7	6	5
23	5	5	4	4	4	5	5	3	2	3	3	2	2	2	2	2	2	2	2	2	2	3	3	2	3
24	2	2	2	2	2	3	3	3	3	3	2	2	2	2	2	2	2	1	1	2	6	6	6	5	3
25	5	5	4	4	4	4	5	5	4	4	2	2	2	2	2	2	2	2	2	2	2	2	2	4	3
26	5	6	3	2	2	2	3	3	3	4	6	6	7	7	7	7	8	8	7	7	7	6	6	7	6
27	8	7	7	8	7	8	7	7	7	8	9	9	10	11	10	10	12	12	11	11	10	10	10	8	9
28	7	6	6	5	5	5	5	5	6	6	5	5	4	5	6	7	7	8	9	10	10	9	9	10	7
29	9	9	12	11	9	8	7	7	8	8	9	9	10	10	11	11	12	12	12	11	12	12	10	9	10
30	9	7	6	3	3	3	4	4	4	3	2	2	2	2	1	2	2	2	2	2	2	2	2	2	3
MEAN	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	5.4

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.4 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 29008 NORTH PARK HAMILTON															MONTH - JUL 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	3	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	4	4	4	4	2
2	4	4	4	4	3	3	2	3	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	2
3	1	2	2	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	4	5	4	2	
5	4	4	4	3	4	4	4	6	6	6	6	5	4	3	2	2	2	2	4	6	6	6	6	4	4
6	7	7	7	8	6	7	7	8	9	10	10	10	***	10	10	9	9	9	10	11	11	12	12	11	9
7	9	9	9	10	10	9	9	9	9	10	10	11	11	11	11	12	12	12	12	12	11	10	10	9	10
8	6	6	5	4	5	5	5	5	5	5	6	8	8	8	8	8	7	7	7	6	6	6	6	5	6
9	5	5	4	4	4	4	4	4	4	4	5	6	6	6	5	3	6	6	6	6	6	7	7	6	5
10	6	6	5	5	5	5	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	5
11	4	4	4	3	3	3	3	3	3	3	3	3	2	2	3	4	4	3	2	3	3	4	4	3	3
12	4	4	3	3	3	4	4	4	5	5	6	6	6	5	6	6	6	7	7	6	7	7	7	7	5
13	7	7	6	6	6	6	7	7	7	8	8	8	9	9	10	10	10	10	10	9	9	9	9	8	4
14	7	6	6	5	4	5	6	6	6	4	4	4	3	3	3	3	3	3	3	2	2	5	5	3	7
15	4	4	4	4	3	3	4	4	5	5	7	9	10	10	11	11	11	11	9	8	7	6	4	7	4
16	5	5	5	4	3	3	4	3	3	3	2	2	2	2	2	2	2	2	2	2	3	2	2	2	3
17	2	2	2	1	1	2	2	2	2	2	3	2	2	2	2	1	1	1	4	5	5	4	4	4	2
18	4	3	2	3	3	3	3	4	6	6	6	6	6	6	3	2	2	7	8	6	6	7	6	7	5
19	7	7	7	8	8	8	8	9	8	9	11	12	***	***	11	11	11	10	10	10	10	10	10	9	9
20	10	10	8	8	9	10	10	10	11	11	13	13	13	12	12	12	12	12	11	10	9	9	9	9	11
21	7	6	6	7	8	9	8	4	3	6	4	5	4	4	4	5	4	5	5	3	8	7	6	6	6
22	6	5	5	4	6	7	6	5	7	8	9	10	11	11	12	11	10	9	11	12	10	11	9	8	8
23	7	6	5	5	4	4	4	4	5	5	7	7	7	7	6	6	5	5	3	3	4	4	3	3	5
24	3	3	2	2	3	4	3	3	3	3	2	2	***	***	2	2	2	2	2	3	3	2	3	3	3
25	3	4	4	4	4	3	4	5	5	4	3	3	2	2	2	2	2	2	2	2	8	9	9	8	4
26	7	5	4	3	3	3	3	4	4	5	4	4	4	4	5	5	6	6	6	5	7	6	4	4	5
27	4	4	3	3	4	4	4	3	3	3	4	5	5	5	6	6	5	5	5	4	3	3	4	3	4
28	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	5	5	4	4	4	3
29	4	4	5	4	5	4	4	4	5	5	5	5	5	4	5	5	4	4	4	5	5	3	3	3	4
30	2	3	2	2	2	3	2	2	2	2	2	2	1	1	1	1	1	2	2	2	1	3	2	2	2
31	2	3	3	3	3	3	3	2	2	***	2	2	1	2	2	2	2	2	2	2	4	5	6	5	3
MEAN	5	5	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	6	6	5	5	4.8

PERCENTAGE OF DATA VALID - 98.9 PERCENTAGE OF DATA INVALID - 1.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - WC NO 29008 NORTH PARK HAMILTON												MONTH - AUG 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	5	5	5	5	4	4	5	5	6	7	8	7	7	8	9	8	7	8	6	2	2	5	6	6
2	7	6	5	5	4	5	5	6	6	5	2	8	7	7	8	9	10	9	9	10	9	8	8	8	7
3	7	6	6	6	6	6	5	5	4	4	5	4	5	4	3	3	4	3	3	3	5	2	3	2	4
4	2	2	1	1	3	3	3	3	3	2	2	2	4	4	5	5	5	5	5	5	5	5	4	4	3
5	3	4	4	3	3	3	4	4	4	4	4	4	6	6	4	3	3	2	2	2	2	3	6	6	4
6	5	4	3	4	4	4	4	5	4	3	2	3	4	4	2	2	1	1	2	2	2	2	6	5	7
7	6	5	4	5	3	3	3	3	3	4	4	3	4	4	2	2	1	2	2	2	2	2	2	1	3
8	1	3	7	3	5	5	5	5	6	6	5	6	***	10	9	10	10	8	8	7	7	7	7	6	6
9	6	5	6	5	6	7	7	6	6	6	6	6	7	8	6	6	6	6	5	4	3	4	4	4	6
10	3	3	3	3	3	3	3	3	3	2	3	3	3	2	2	2	2	2	2	2	3	4	2	3	3
11	4	3	3	2	3	3	3	4	5	5	6	3	2	1	2	2	1	1	1	1	2	2	3	4	3
12	3	4	3	4	3	4	3	4	5	5	3	2	2	2	1	1	1	2	7	8	7	7	7	6	4
13	8	8	4	4	4	5	5	6	6	7	10	10	11	9	10	10	10	10	10	8	8	7	7	6	8
14	6	5	5	6	6	7	6	7	8	9	9	7	6	3	3	3	3	7	10	9	8	7	6	6	6
15	5	6	5	5	5	4	4	3	3	***	***	2	6	9	9	8	8	9	2	3	4	7	4	6	5
16	4	3	4	4	5	4	4	5	5	5	5	6	7	7	7	7	8	7	7	7	6	7	7	7	6
17	7	6	6	5	5	4	4	4	3	3	3	3	4	4	4	4	5	5	4	4	3	3	3	3	4
18	3	3	3	3	2	2	3	3	3	3	4	4	4	3	2	2	2	2	2	2	2	2	3	3	3
19	4	3	3	3	4	5	4	4	5	5	5	7	8	8	9	9	8	6	5	4	3	3	3	3	5
20	3	2	2	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	5	3	3	2	2
21	3	2	1	1	2	2	2	3	3	3	2	3	***	3	2	2	1	1	1	1	1	3	4	4	2
22	4	4	4	4	4	3	4	4	4	4	4	4	3	3	2	2	2	2	2	7	8	7	7	6	4
23	6	5	5	5	8	11	9	8	7	3	3	4	4	3	3	6	8	7	12	12	11	10	11	7	4
24	9	7	5	6	9	9	9	8	7	8	8	9	8	7	4	4	5	4	3	2	2	2	2	6	3
25	2	2	2	3	3	3	3	3	3	4	4	2	2	3	3	3	4	4	3	4	5	3	4	5	3
26	5	4	4	4	3	3	3	3	3	2	2	2	2	1	1	1	1	1	1	2	3	5	7	6	3
27	4	3	3	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	2	2	3	3	4	4	5	5	5	6	6	7	7	6	5	4	4	4	4
29	4	4	5	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	3	3	3	2	3	4
30	3	3	3	3	3	1	1	2	2	2	3	4	5	4	4	4	3	4	4	4	4	4	3	2	3
31	2	2	2	2	1	2	2	2	3	3	4	5	2	1	1	1	1	1	2	2	2	4	5	5	2
MEAN	4	4	4	4	4	4	4	4	4	4	4	4	5	4	4	4	4	4	4	4	5	4	5	5	4.2

PERCENTAGE OF DATA VALID - 99.5

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 29008 NORTH PARK HAMILTON															MONTH - SEP 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	4	4	3	3	3	2	2	3	3	3	2	2	2	2	1	1	1	4	6	6	5	5	5	3
2	6	5	5	5	6	5	4	5	5	5	5	7	9	9	8	9	9	9	8	7	9	10	9	9	7
3	8	8	5	6	6	6	6	6	6	6	7	8	7	3	2	2	4	3	4	3	2	2	2	2	5
4	1	1	1	1	1	1	1	2	1	1	1	2	2	2	2	3	5	4	3	4	3	3	3	4	2
5	4	5	5	6	6	6	5	5	5	5	5	5	5	5	6	4	3	3	5	7	7	7	7	5	3
6	7	7	6	6	7	7	6	6	7	8	10	10	9	8	7	6	9	11	10	10	9	8	6	6	8
7	6	6	6	7	7	7	6	5	3	3	3	3	3	2	2	2	2	2	2	2	1	1	1	1	4
8	1	1	1	2	1	1	2	2	1	1	1	1	1	1	1	1	1	2	2	3	2	2	2	3	2
9	2	2	2	2	3	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2	3	2	2	2	2
10	2	3	2	3	2	2	2	1	1	1	1	2	1	1	1	2	1	1	3	3	4	4	4	4	2
11	3	3	4	4	4	4	4	***	5	6	6	6	8	8	9	9	7	7	8	***	***	6	***	***	6
12	***	***	4	4	2	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2
13	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1
14	1	1	1	1	1	2	2	2	2	2	3	4	4	4	4	4	4	4	3	3	3	3	2	3	3
15	2	2	3	2	3	4	3	3	3	2	2	2	3	3	3	3	4	4	5	4	4	5	5	5	3
16	4	4	5	5	4	3	3	2	2	1	2	2	2	2	3	3	3	2	2	2	2	2	2	2	3
17	2	2	2	2	2	2	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	2	2	1	1	1	1	2	1	2	2	3	3	3	1	1	1	1	2	2	2	3	2	2	2	1
20	2	3	3	3	2	2	1	***	2	2	2	1	1	1	1	1	1	1	1	3	1	2	4	3	2
21	3	3	3	4	4	3	3	3	3	2	3	4	4	2	1	1	1	1	1	1	1	2	2	1	2
22	2	2	1	1	1	1	1	1	1	2	3	1	1	1	1	1	***	2	2	2	3	3	3	2	2
23	2	2	2	2	2	1	***	***	***	3	3	3	2	2	2	1	1	1	2	4	4	5	2	3	2
24	3	3	3	3	2	3	2	2	3	4	4	5	5	6	6	6	6	6	5	6	7	7	7	6	5
25	5	3	3	3	2	1	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
26																									
27																									
28																									
29																									
30																									
MEAN	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3	3.0

PERCENTAGE OF DATA VALID - 79.2

PERCENTAGE OF DATA INVALID - 20.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION												
STATION - WC NO 29008 NORTH PARK HAMILTON												MONTH - OCT 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1																								
2																								
3																								
4																								
5																								
6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7	2	2	2	2	2	3	3	3	3	2	2	2	3	3	3	3	3	3	3	3	3	2	2	2
8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
9	2	2	2	2	2	3	3	3	3	2	2	2	3	3	3	4	4	4	5	5	5	5	5	5
10	5	5	5	5	4	4	4	3	.....	4	4	5	6	6	6	6	5	4	5	5	6	5	5	5
11	5	5	5	4	4	4	.....	2	3	6	6	4	4	5	5	3	3	6	5	5	5	5	5	5
12	5	5	4	4	3	2	2	3	4	3	4	4	5	4	5	4	5	5	4	4	4	4	4	4
13	5	4	5	4	3	2	1	.....	3	3	3	3	3	2	3	2	2	3	3	2	2	2	2	3
14	2	2	1	2	2	2	1	1	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2
15	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	3	2	3	2	2	2	2	2
16	3	3	3	3	2	3	2	2	2	1	1	1	1	1	1	1	2	1	1	3	3	2	2	2
17	2	2	2	2	1	.....	.....	.....	.....	.....	.....	3	2	2	2	2	2	4	3	3	3	3	3	2
18	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	4	4	4	4	4	3
19	4	4	4	3	3	3	1	1	1	2	3	3	3	3	3	3	3	4	4	4	4	3	3	3
20	3	3	3	2	2	1	1	1	2	3	3	3	4	4	3	4	4	4	4	5	4	4	4	3
21	4	4	4	4	4	4	4	4	5	5	5	6	6	7	7	8	8	9	8	7	8	8	8	7
22	7	7	7	7	8	8	8	8	8	8	8	9	10	10	10	10	10	11	10	9	9	9	9	8
23	8	6	5	4	3	4	3	3	3	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3
24	3	3	3	3	3	2	1	2	2	2	3	3	3	3	2	2	2	2	2	3	3	3	3	3
25	3	3	3	3	3	2	1	2	2	2	3	3	4	4	4	5	5	5	5	4	5	4	5	4
26	5	5	5	5	5	4	4	4	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2
27	3	3	3	3	3	2	2	2	2	3	3	3	3	4	4	4	5	5	5	5	5	5	5	4
28	7	6	6	5	5	4	4	3	3	3	3	3	4	4	4	3	3	3	3	3	3	2	2	4
29	2	2	2	2	2	2	1	2	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2	2
30	2	2	2	2	2	2	1	2	2	2	2	2	2	2	3	3	3	2	2	2	3	4	4	2
31	4	3	3	4	4	3	3	3	2	3	4	5	6	5	5	4	4	3	3	3	3	2	2	4
MEAN	4	4	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	3.4

PERCENTAGE OF DATA VALID - 80.9 PERCENTAGE OF DATA INVALID - 19.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - WC NO 29008 NORTH PARK HAMILTON												MONTH - NOV 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN	
1	3	2	2	2	2	1	2	2	2	3	3	3	3	3	3	2	3	3	2	2	2	3	3	3	2
2	3	4	4	4	5	4	4	3	3	4	4	4	5	5	5	6	5	5	5	6	5	5	4	5	5
3	10	8	6	5	5	4	3	2	3	4	6	7	8	10	10	7	6	5	4	4	5	5	5	5	6
4	5	6	5	5	5	4	4	4	3	4	5	6	6	7	8	8	7	7	7	7	7	6	7	6	
5	5	4	4	4	5	4	4	4	4	4	4	5	6	6	7	7	7	7	7	7	7	7	7	7	
6	7	7	7	6	6	6	6	5	5	5	4	3	3	2	2	2	1	2	3	2	2	2	2	3	4
7	2	2	2	2	2	2	1	0	...	1	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2
8	3	3	3	3	3	3	3	2	2	3	3	4	4	4	4	4	4	4	4	4	3	3	3	3	3
10	3	3	3	3	3	3	3	3	3	3	3	4	4	3	3	3	3	3	3	3	3	3	3	3	3
11	2	2	2	3	4	4	3	3	3	2	2	3	3	3	4	4	4	3	2	3	2	1	1	1	3
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	2	2	3	3	1
14	3	3	3	3	3	3	3	3	2	...	2	2	2	2	2	2	1	1	2	2	2	2	2	3	2
15	3	3	3	3	3	3	3	3	2	3	2	2	2	1	2	2	1	1	1	1	2	1	1	1	2
16	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2
17	1	2	1	1	1	1	1	1	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2
18	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	3	2	2	2
19	2	2	2	2	3	3	2	2	3	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2
20	2	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2
21	2	1	2	1	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	2	1	1	2
22	1	1	1	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2
23	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	2	2	2	2	2
24	3	3	3	3	3	3	3	3	3	3	4	3	3	3	2	2	2	2	3	3	2	2	2	3	2
25	3	3	2	2	2	2	2	2	2	2	1	1	2	1	2	2	2	2	1	1	2	2	2	2	2
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1
27	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1
28	2	2	2	2	1	1	1	1	0	0	0	1	2	2	1	1	1	2	2	2	2	2	2	2	2
29	3	3	4	4	4	3	2	...	...	...	2	2	2	2	1	1	1	1	2	2	2	3	2	2	2
30	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
MEAN	3	3	3	2	3	2	2	2	2	2	2	3	3	3	3	3	3	2	2	2	2	3	2	3	2.5

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT											UNITS - 0.01 PARTS/MILLION														
STATION - WC NO 29008 NORTH PARK HAMILTON											MONTH - DEC 78														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	4	4	3	3	2	1	1	1	2	1	1	2	2	2	1	1	2	2	3	3	3	3	2
2	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	2	1
4	2	2	3	3	3	3	3	3	2	2	2	2	2	2	2	2	1	1	1	2	2	2	2	2	2
5	3	2	2	2	2	2	2	1	1	1	....	....	4	4	4	4	4	4	4	4	4	4	4	3	3
6	5	5	5	5	5	5	4	5	4	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	5
7	4	4	3	2	2	2	3	4	4	2	2	2	2	3	3	3	3	4	4	4	3	3	3	3	3
8	3	3	3	4	5	4	4	4	4	3	3	3	3	3	2	3	4	4	3	3	3	3	3	3	3
9	2	2	2	2	3	3	3	2	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	3
10	4	4	4	4	4	4	4	4	3	3	3	4	4	4	4	4	4	4	4	3	3	3	3	3	4
11	3	4	3	3	3	3	3	4	5	4	4	4	4	4	3	3	3	3	4	4	4	4	4	4	4
12	4	4	4	4	5	5	5	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	4
13	3	3	4	4	4	4	4	4	....	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
14	4	3	3	3	3	4	4	4	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4
15	4	4	4	4	4	4	4	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
16	5	4	4	4	4	4	2	3	3	2	3	3	4	4	4	3	3	3	3	4	4	4	4	4	4
17	5	5	5	2	2	2	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	3	3	4
18	3	3	3	3	3	3	2	2	3	3	3	3	3	3	3	2	3	2	2	3	3	3	3	3	3
19	3	3	3	3	3	3	2	1	2	2	2	2	2	2	2	3	2	2	3	3	3	3	3	3	3
20	3	3	3	2	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	2	3	2
21	4	4	4	3	3	3	4	4	4	4	4	4	4	4	4	3	3	3	4	4	4	4	4	4	4
22	3	3	3	3	4	3	3	2	1	2	3	3	3	3	3	3	4	4	4	4	4	4	4	4	3
23	4	4	3	4	4	4	4	4	3	4	4	4	4	4	3	3	3	3	2	2	2	1	2	1	3
24	2	2	3	3	4	4	4	3	3	3	3	3	3	4	4	4	4	3	3	3	3	3	3	3	3
25	3	3	2	2	3	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	3
26	4	4	4	4	4	3	4	4	4	4	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4
27	4	4	4	3	4	5	4	4	3	3	3	3	4	4	4	4	3	4	4	3	3	3	4	4	4
28	4	4	4	3	3	5	5	2	2	1	3	3	3	3	4	4	3	3	2	4	3	3	3	3	3
29	3	3	3	2	3	3	3	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2
30	3	3	3	3	3	3	3	3	2	3	3	4	4	4	4	4	4	4	4	4	3	3	2	3	3
31	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	3	4	4	4	4	3
MEAN	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3.2

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29008 NORTH PARK HAMILTON

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	3.9	7	9
FEB	28	5.0	7	9
MAR	31	4.6	10	14
APR	6	2.7	5	7
MAY	29	4.0	10	14
JUN	30	5.4	10	12
JUL	31	4.8	11	14
AUG	31	4.2	8	12
SEP	24	3.0	8	11
OCT	25	3.4	9	11
NOV	30	2.5	6	10
DEC	31	3.2	5	5
YEAR	327	4.0	11	14



## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29008

NORTH PARK HAMILTON

MONTH	00 TO 01	02 TO 03	04 TO 05	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	87	174	456	24	0	0	0	741
FEB	30	109	384	146	0	0	0	669
MAR	105	109	404	98	17	1	0	734
APR	57	42	54	2	0	0	0	155
MAY	116	286	174	98	32	1	0	707
JUN	16	166	301	217	17	0	0	717
JUL	72	213	269	141	40	1	0	736
AUG	70	261	280	122	7	0	0	740
SEP	172	223	120	53	2	0	0	570
OCT	35	354	176	36	1	0	0	602
NOV	172	423	91	29	0	0	0	715
DEC	40	382	319	0	0	0	0	741
YEAR	972	2742	3028	966	116	3	0	7827

## FREQUENCY DISTRIBUTION BY PERCENTILES

FREQUENCY PERCENT OF DATA VALID	MIN	10	30	FREQUENCY DISTRIBUTION 50	CONCENTRATIONS 70	PERCENT 90	PERCENT 95	98	99	MAX	ARITH MEAN
89.3	0	0.8	1.9	3.2	4.4	6.7	8.1	9.7	10.6	14	4.0

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29025

BARTON/WENTWORTH HAMILTON

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	4	4	3	3	2	2	2	2	2	3	4	3	3	3	3	5	5	2	1	1	1	3	5	3
2	4	3	2	2	2	3	4	5	6	6	4	4	5	4	4	5	5	5	4	4	4	3	4	4	4
3	3	3	3	3	3	4	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5
4	6	6	5	5	5	6	6	6	6	6	6	5	6	6	7	7	7	8	7	7	6	7	7	7	6
5	7	7	7	7	7	6	5	6	6	5	6	7	8	8	8	8	8	8	8	8	8	8	8	8	7
6	8	6	3	2	1	1	3	5	5	5	5	5	5	6	6	6	5	5	5	5	5	5	5	5	5
7	5	5	5	6	6	6	6	6	6	5	5	6	6	6	7	7	6	6	6	6	6	6	6	6	6
8	6	6	6	6	7	8	8	7	5	4	4	3	4	4	4	4	4	4	4	4	3	3	3	1	2
9	2	2	2	1	1	0	1	2	3	4	4	4	3	4	4	3	4	4	3	2	2	1	1	1	2
10	2	1	2	2	4	2	1	2	3	3	3	3	4	3	2	2	3	2	2	2	2	2	3	4	2
11	4	2	1	1	1	1	2	4	4	4	4	4	5	6	7	7	8	7	7	6	6	6	6	6	5
12	5	4	3	3	2	5	7	8	7	7	7	7	6	7	8	8	8	8	8	7	6	6	6	6	7
13	8	7	7	7	7	7	7	6	7	6	6	6	6	7	7	7	7	7	7	7	6	6	6	6	7
14	6	6	3	3	2	2	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	2
15	1	2	4	2	2	3	4	4	4	4	4	4	4	5	5	4	5	5	5	5	5	5	5	5	4
16	4	3	3	3	4	4	6	6	6	6	7	7	7	7	7	7	7	8	8	7	7	7	7	7	6
17	7	7	7	7	7	6	5	6	6	7	8	8	8	8	8	7	6	6	7	7	7	7	7	7	7
18	7	6	4	2	2	2	3	5	4	4	3	3	2	2	3	5	7	8	8	8	9	9	9	9	5
19	9	9	9	9	8	8	8	8	8	8	9	8	7	7	7	7	7	8	8	8	8	7	7	7	8
20	5	4	5	5	6	5	6	6	6	7	6	7	7	6	6	5	4	4	5	4	3	3	2	2	5
21	2	2	1	1	3	3	4	6	5	4	4	4	5	6	6	7	7	7	7	7	7	7	7	7	5
22	6	6	6	6	6	7	6	5	5	5	5	5	5	6	7	7	7	8	7	5	5	7	7	7	6
23	7	7	7	7	7	7	7	7	7	7	7	8	8	8	9	9	10	10	10	11	10	9	8	8	8
24	8	8	8	8	8	8	8	8	8	8	8	8	9	9	9	10	10	10	10	9	9	9	9	9	9
25	8	8	7	7	7	7	7	7	7	7	8	8	8	9	9	8	8	7	7	7	7	7	6	6	7
26	5	5	6	7	6	6	5	6	4	4	4	4	4	3	3	3	3	2	2	2	2	2	2	2	1
27	1	1	1	1	1	1	2	3	4	4	4	4	4	4	5	5	5	6	5	7	7	5	2	2	1
28	5	5	4	4	4	5	6	6	6	6	6	6	5	4	3	4	5	5	5	5	5	4	4	5	3
29	1	1	1	1	1	3	4	5	4	4	4	3	3	2	2	4	5	5	5	5	5	4	4	5	3
30	5	4	3	3	4	4	6	5	4	6	6	6	6	7	7	7	8	8	7	6	6	7	7	7	6
31	7	5	3	4	4	5	6	7	7	7	7	-	8	8	9	10	10	9	9	8	7	6	5	5	7
MEAN	5	5	4	4	4	4	5	5	5	5	5	5	5	6	6	6	6	6	6	6	5	5	5	5	5.3

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

HOUR DAY	POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT											UNITS - 0.01 PARTS/MILLION													
	STATION - WC NO 29025											BARTON/WENTWORTH HAMILTON													
												MONTH - FEB 78													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	5	4	4	4	5	6	6	7	6	7	7	7	7	7	8	9	9	8	8	8	8	8	8	7
2	8	8	8	8	9	9	9	9	8	9	10	9	9	10	10	11	10	10	10	9	9	9	9	8	9
3	7	7	5	7	8	7	7	8	8	8	7	6	6	5	4	4	4	6	7	8	7	6	6	6	6
4	6	7	7	6	7	7	7	7	7	8	6	4	4	3	4	5	7	8	8	8	8	8	8	8	8
5	10	9	8	8	8	8	8	8	7	6	5	4	5	4	4	3	3	3	2	2	2	2	2	3	6
6	2	2	2	2	1	1	2	2	3	3	3	3	2	2	3	3	3	3	2	1	1	1	1	1	2
7	1	1	1	1	1	1	1	2	3	3	3	2	2	2	3	5	6	3	2	2	2	3	3	3	2
8	4	3	1	2	6	6	5	4	4	4	5	5	5	5	3	3	3	7	8	9	9	10	10	10	5
9	10	9	8	9	9	8	8	8	9	9	10	10	10	10	10	8	8	7	7	7	8	8	7	7	8
10	7	7	7	7	6	6	6	7	7	7	7	7	7	7	8	7	7	8	8	8	8	8	8	8	7
11	9	8	7	5	5	4	5	5	5	5	6	7	7	7	6	7	6	6	5	5	5	6	5	5	6
12	4	4	3	2	1	1	1	1	1	2	2	2	2	4	4	4	4	3	3	3	4	4	5	6	3
13	4	3	2	2	3	3	3	4	4	5	7	5	6	5	5	5	5	4	4	6	6	5	4	3	4
14	4	4	4	4	3	3	3	5	5	5	4	5	6	3	1	2	5	7	8	7	7	7	7	7	5
15	7	7	7	7	7	7	7	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11	10	9	9
16	9	9	7	7	6	7	8	8	8	8	9	9	9	8	8	8	9	10	10	10	10	9	9	9	8
17	8	7	5	4	3	5	7	7	7	7	7	7	6	8	7	7	8	9	8	9	9	10	9	9	7
18	9	9	9	7	7	7	7	7	7	7	7	7	6	7	5	6	7	8	9	9	9	8	8	8	6
19	7	7	7	7	7	6	6	6	5	4	4	4	4	3	3	3	3	3	6	7	7	8	8	8	6
20	9	9	9	7	4	8	10	10	10	10	9	10	10	11	11	11	11	10	9	10	10	10	10	10	10
21	8	8	8	5	6	8	9	9	9	10	10	9	7	5	4	6	9	3	6	6	5	7	5	6	7
22	5	5	4	3	4	5	6	7	7	6	6	3	2	3	5	6	6	7	5	5	4	4	5	6	5
23	5	5	5	5	5	6	7	8	8	9	9	9	9	8	9	10	10	10	9	8	9	8	7	8	8
24	8	8	8	6	4	4	7	7	8	8	8	8	8	9	8	9	9	10	9	9	9	9	9	10	8
25	9	8	8	6	5	4	5	8	8	8	9	5	5	5	8	4	2	2	3	7	8	7	6	6	6
26	7	7	6	5	4	4	4	4	4	4	3	3	2	2	3	3	3	4	6	6	5	5	5	4	4
27	6	5	5	5	4	5	6	6	6	7	6	5	6	7	7	5	8	8	8	8	8	8	7	8	6
28	8	7	6	6	6	8	8	9	9	9	9	8	9	9	10	8	6	10	9	7	9	10	10	10	8
MEAN	7	6	6	5	5	5	6	6	7	7	7	6	6	6	6	6	7	7	7	7	7	7	7	7	6.4

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 29025															BARTON/WENTWORTH HAMILTON										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	10	10	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
2	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	7	8	8	7	8	9	8	8	8	9	9	9	9	*****
3	9	9	8	8	8	9	8	6	6	6	7	8	8	7	5	4	4	3	3	3	3	3	7	7	8
4	5	4	4	3	2	3	4	3	2	2	2	2	3	2	3	2	3	2	3	4	5	6	5	7	4
5	7	7	6	4	4	4	4	3	3	3	3	2	2	2	3	4	5	4	5	5	6	7	6	4	4
6	5	4	4	5	6	7	8	8	8	8	8	9	10	9	9	10	9	10	10	9	10	9	8	9	8
7	8	6	4	4	6	8	9	9	9	8	5	3	3	3	4	4	3	2	4	7	7	3	5	4	5
8	4	4	4	4	4	4	6	7	7	8	9	6	4	4	5	4	4	6	8	6	8	8	8	6	9
9	8	8	8	8	8	8	8	9	9	9	9	*****	9	9	9	9	10	11	11	11	9	9	8	6	9
10	6	9	7	8	8	9	10	10	10	10	10	12	13	15	15	13	10	15	14	14	15	15	15	15	12
11	15	13	11	9	6	4	5	7	8	8	9	10	12	11	12	11	12	12	14	11	10	10	9	12	10
12	15	17	14	12	10	9	8	6	5	3	3	4	3	2	2	3	3	8	10	10	11	10	9	9	8
13	9	9	9	9	9	8	9	9	10	9	10	9	9	9	10	10	10	8	8	8	8	7	9	9	8
14	10	10	10	8	9	9	6	7	9	9	9	8	6	4	6	7	8	8	8	8	7	6	6	5	8
15	4	3	2	2	2	2	5	7	8	7	7	6	5	7	6	6	6	7	7	6	4	3	5	6	5
16	6	5	3	2	2	2	2	3	6	7	7	8	8	7	7	7	6	5	7	5	5	5	6	5	5
17	6	6	5	3	3	4	8	8	8	5	4	5	5	5	5	8	9	9	9	9	5	5	7	5	5
18	8	7	5	4	3	3	4	5	4	5	4	5	5	4	5	6	8	8	8	8	5	3	4	5	5
19	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	5	5	3	4	3
20	4	2	2	2	2	3	5	7	7	6	6	7	7	7	8	8	7	7	7	7	8	8	8	7	6
21	8	6	8	8	8	4	5	6	7	6	6	6	6	6	7	8	9	8	7	5	5	5	5	4	6
22	4	3	2	2	2	5	8	8	7	7	7	7	7	6	7	8	8	8	8	7	7	7	6	6	6
23	5	2	3	3	3	3	6	7	7	7	6	5	4	5	5	7	7	6	6	8	8	8	7	2	5
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	4	3	4	4	4	4	5	2
25	6	5	6	6	6	3	3	3	3	3	3	4	3	3	3	4	3	4	4	3	4	4	3	3	4
26	3	4	4	4	4	4	4	4	3	3	4	4	3	3	4	5	6	7	5	6	6	4	3	4	4
27	4	4	3	2	1	3	3	4	4	4	4	3	3	6	7	7	9	8	7	7	6	6	5	4	5
28	3	7	2	3	3	3	5	6	6	5	5	6	6	6	7	7	7	8	8	4	7	7	8	8	6
29	7	7	5	3	3	3	4	5	4	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5
30	4	4	3	3	2	2	4	5	6	5	5	5	5	4	4	5	6	7	7	6	6	6	5	5	5
31	5	4	3	4	4	5	6	7	8	6	5	5	6	6	6	7	8	9	9	8	9	9	8	6	7
MEAN	6	6	5	5	5	5	5	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	6	6	6.0

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON													MONTH - APR 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	7	6	6	6	6	6	4	3	3	4	3	3	3	3	2	2	2	2	2	2	2	2	1	2	3
2	1	1	1	1	1	1	1	1	1	0	0	1	1	3	5	5	7	6	6	7	7	6	5	7	3
3	6	4	4	4	2	2	3	4	5	5	5	5	4	5	5	5	6	5	6	6	6	5	4	5	5
4	5	4	5	5	4	4	3	4	4	4	4	5	6	7	6	6	5	5	6	6	6	4	3	5	5
5	2	2	2	2	1	2	4	4	4	4	3	3	3	3	3	3	4	3	2	4	4	6	6	3	6
6	6	6	6	6	6	6	6	6	6	6	4	4	5	5	6	5	6	6	6	6	5	6	6	5	6
7	4	5	5	4	3	2	3	3	3	4	4	5	5	4	4	5	4	3	4	4	4	4	4	3	6
8	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	2
9	7	6	3	2	1	1	1	1	1	1	1	1	1	1	1	1	5	6	6	7	8	8	8	8	4
10	8	8	7	7	7	6	6	6	6	6	7	7	7	7	6	6	7	7	8	7	8	6	6	7	7
11	4	7	7	4	4	7	6	7	7	7	8	8	4	4	4	5	6	7	7	6	7	7	5	3	6
12	2	2	1	1	1	2	4	5	5	5	5	5	5	6	7	5	6	5	3	3	2	3	5	4	4
13	3	2	2	1	1	2	4	5	4	3	3	3	4	4	4	5	5	5	5	5	5	4	4	4	4
14	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
15	4	5	4	2	2	2	2	3	3	1	1	2	3	4	4	3	4	6	6	5	4	3	3	4	4
16	4	4	4	3	3	2	2	2	2	1	2	3	3	3	2	1	1	1	1	1	2	2	4	3	2
17	1	2	3	3	3	3	4	5	5	5	5	5	7	8	8	8	8	8	8	8	7	6	7	6	6
18	6	6	7	7	7	6	7	7	8	8	8	8	8	8	8	8	8	6	6	6	5	7	7	7	7
19	7	6	6	7	7	7	6	6	7	7	7	7	7	7	6	6	6	6	7	7	5	8	8	8	7
20	6	6	6	6	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	7
21	3	2	2	1	1	1	3	5	3	1	1	1	1	1	1	5	4	2	1	1	3	5	5	6	2
22	6	6	5	5	3	1	3	3	1	1	1	2	5	6	6	4	3	1	1	6	5	3	2	4	4
23	2	4	5	6	6	6	5	3	4	5	6	4	4	2	2	3	5	6	6	6	7	8	7	7	5
24	8	8	8	8	8	7	7	7	6	6	6	6	6	9	8	7	6	6	4	4	5	5	4	4	6
25	5	5	4	4	5	5	5	5	6	6	6	5	6	6	6	6	5	8	7	8	8	8	8	8	6
26	8	8	8	7	7	8	7	6	6	6	6	7	8	8	8	6	7	8	8	6	9	8	6	7	7
27	7	7	7	7	7	7	5	5	6	6	6	6	8	8	8	6	5	4	2	6	8	5	3	4	2
28	1	1	1	2	3	4	3	5	4	2	2	2	1	1	2	1	1	1	1	3	4	8	8	7	6
29	6	6	5	2	2	2	3	3	5	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2
30	2	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	2	1
MEAN	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	4	5	5	5	5	5	5	4.3

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON													MONTH - MAY 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	3	2	4	4	2	1	1	1	1	2	2	2	2	1	1	1	1	2	3	3	2	2
2	3	2	2	3	4	5	4	3	1	1	1	1	1	1	2	2	6	5	8	5	2	3	4	3	3
3	2	1	2	2	3	6	5	5	2	2	5	4	3	1	1	2	2	5	3	2	3	2	5	6	3
4	6	3	7	4	5	6	6	6	6	6	7	7	7	6	6	7	8	7	7	9	7	6	8	6	6
5	8	6	6	8	8	8	8	8	8	8	8	8	8	9	9	9	8	8	8	8	8	8	8	8	8
6	8	7	6	4	5	6	6	6	6	6	6	7	7	7	8	6	7	6	7	6	6	7	6	6	6
7	7	7	7	7	7	7	7	7	8	7	8	8	9	10	9	10	10	7	6	5	4	5	7	6	7
8	8	6	8	7	7	5	7	9	7	6	6	3	4	4	4	8	5	4	5	6	5	5	3	2	5
9	3	3	2	2	2	3	5	5	4	5	4	4	4	4	5	5	4	4	4	6	7	7	6	4	4
10	1	1	1	1	1	1	3	5	5	4	5	4	4	4	4	5	5	4	4	4	6	7	7	6	4
11	5	3	3	3	4	8	8	7	7	8	8	7	8	9	8	10	9	6	10	11	10	10	10	9	8
12	9	10	8	9	8	9	9	10	10	9	8	9	9	9	8	9	8	6	6	8	6	9	7	8	8
13	7	5	8	8	8	7	8	8	8	8	6	7	9	9	10	9	8	8	8	9	9	7	8	8	8
14	9	9	9	5	7	5	6	8	8	8	8	7	8	8	7	9	6	7	6	5	6	6	6	5	7
15	5	6	4	3	8	7	8	8	7	6	7	8	7	8	8	8	7	8	8	8	9	8	7	7	7
16	7	5	5	6	4	7	7	7	6	7	6	7	8	8	7	7	8	7	6	5	8	8	7	7	6
17	7	1	1	1	1	7	6	6	6	6	7	6	6	7	7	8	7	6	5	8	8	7	7	6	6
18	6	6	5	4	5	5	5	7	8	3	5	10	10	10	10	9	9	10	9	10	9	9	9	8	7
19	9	8	6	6	6	8	8	10	8	9	9	7	5	4	3	7	4	4	5	9	11	8	9	8	7
20	8	6	4	2	2	4	7	6	6	6	4	4	4	5	3	3	3	6	7	5	5	4	4	4	5
21	4	2	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	5	5	6	5	6	5	4	2
22	2	3	3	5	5	6	4	3	4	3	2	4	4	3	1	1	2	4	6	7	8	9	8	4	4
23	8	7	7	6	7	7	8	10	10	10	10	11	10	11	7	12	14	14	13	12	12	8	12	11	10
24	11	11	11	10	11	12	13	12	12	12	9	14	13	13	14	12	10	8	7	5	9	10	11	11	11
25	12	11	11	10	10	10	10	11	12	8	5	4	3	6	2	9	11	10	9	7	11	11	11	10	9
26	9	8	7	8	7	11	11	12	11	4	9	7	6	7	6	3	9	10	11	12	11	11	12	10	9
27	11	10	9	8	7	8	10	10	12	12	16	16	15	15	15	16	14	12	11	7	7	11	17	16	12
28	12	14	12	4	4	3	4	7	5	5	3	3	3	5	9	10	10	11	9	6	4	3	5	8	7
29	7	7	5	4	4	5	6	7	8	6	8	6	6	9	10	10	9	8	7	7	6	6	7	7	7
30	7	6	5	5	6	5	5	5	5	15	18	17	15	16	13	16	14	10	10	13	12	9	7	5	10
31	2	2	1	1	1	5	7	8	8	7	7	5	5	5	3	4	2	1	1	1	2	3	5	2	4
MEAN	7	6	5	5	5	6	7	7	7	6	7	7	7	7	7	7	7	7	7	7	7	7	8	7	6.8

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON															MONTH - JUN 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	1	1	3	4	4	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
2	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
3	3	1	0	0	0	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	1	4	5	4	1
4	5	5	4	4	3	4	3	2	2	3	4	4	5	5	6	6	6	7	6	7	6	7	4	2	5
5	2	2	2	1	2	3	4	3	2	1	1	1	1	1	0	1	1	1	1	3	3	4	5	4	2
6	4	4	4	4	4	4	4	5	4	4	5	5	***	8	9	9	8	8	8	8	9	8	8	7	6
7	6	9	8	6	7	6	8	8	9	9	9	8	9	8	9	9	8	8	8	9	8	8	7	6	8
8	6	5	5	4	4	5	7	6	7	8	8	6	6	6	6	5	4	4	4	4	4	4	4	4	5
9	4	3	3	3	4	5	6	5	5	5	4	6	6	6	6	6	4	4	4	4	4	4	5	5	5
10	6	6	5	5	4	4	5	6	6	7	8	9	9	10	10	10	10	9	9	9	10	9	10	10	8
11	9	6	4	3	3	4	4	5	5	5	5	5	5	5	5	5	5	5	6	9	10	10	8	5	6
12	4	3	3	3	4	6	7	8	9	9	10	9	8	10	10	10	8	7	6	6	5	4	3	3	6
13	3	2	2	2	2	3	3	3	***	3	3	3	3	3	3	4	3	3	3	3	4	5	5	5	3
14	4	4	3	4	4	4	5	5	5	4	3	3	3	3	3	3	4	3	3	3	5	6	6	5	4
15	5	4	4	4	4	5	6	7	7	8	8	9	8	9	9	8	7	7	8	9	8	8	9	8	7
16	7	6	4	4	4	6	7	8	8	8	9	10	10	10	11	11	11	10	11	11	10	9	10	9	9
17	9	9	8	6	6	8	9	9	10	9	9	8	8	8	8	8	8	9	8	8	8	8	7	8	8
18	6	5	3	3	3	3	5	4	4	3	4	4	4	5	4	4	4	4	4	4	4	5	4	4	4
19	3	3	3	3	3	3	3	3	3	3	4	5	5	5	4	5	6	8	7	5	4	5	7	6	5
20	5	4	4	4	4	4	4	***	11	12	8	8	12	12	12	12	11	11	11	9	7	9	8	8	8
21	10	9	8	10	10	10	9	9	8	10	12	11	9	9	9	9	9	5	5	5	5	5	4	4	8
22	4	4	3	3	3	4	4	5	5	5	5	5	5	5	6	6	6	6	6	8	8	6	6	6	5
23	4	4	4	4	4	4	4	4	3	3	3	2	2	3	5	8	8	8	8	7	7	5	4	3	5
24	3	3	3	2	3	3	4	4	6	6	6	7	6	5	6	6	5	5	7	8	8	6	8	9	5
25	9	9	6	6	5	5	6	5	5	5	9	8	8	8	10	9	11	12	11	10	9	9	9	8	8
26	8	6	6	5	5	7	6	6	6	6	6	6	7	8	8	8	7	7	8	6	5	5	4	4	6
27	4	3	3	3	3	3	3	***	4	6	7	8	8	8	8	7	7	8	6	5	5	5	4	4	5
28	3	3	3	2	2	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	4	4	3	4	3
29	4	3	3	3	3	4	4	5	4	4	4	3	4	3	3	4	3	3	3	3	5	6	6	5	4
30	4	4	3	3	2	2	3	4	4	4	5	7	9	9	9	9	9	8	8	5	4	3	3	3	5
MEAN	5	5	4	4	4	4	5	5	5	6	6	6	6	6	6	7	6	6	6	6	6	6	6	5	5.4

PERCENTAGE OF DATA VALID - 95.3

PERCENTAGE OF DATA INVALID - 4.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON												MONTH - JUL 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	3	3	3	3	4	4	4	5	4	4	4	4	4	5	5	5	6	6	5	4	6	4
2	6	5	4	4	4	4	3	4	5	4	4	5	5	5	6	6	5	4	3	4	4	4	4	4	4
3	4	4	4	4	4	4	4	5	5	5	6	6	6	6	5	5	6	8	6	6	5	5	5	5	5
4	4	4	5	5	4	5	5	6	5	5	5	4	5	5	7	8	9	7	7	3	6	9	9	8	6
5	8	7	7	7	6	6	8	9	10	8	9	8	8	8	8	9	9	6	7	8	9	8	7	6	7
6	6	3	3	3	5	8	9	10	8	9	***	8	8	8	8	9	9	6	7	8	9	8	7	6	7
7	5	5	4	3	4	8	10	10	8	9	9	8	8	8	9	10	8	8	8	9	10	11	10	6	8
8	5	3	3	2	3	4	5	4	5	4	5	4	5	4	4	4	4	3	2	4	4	3	5	4	4
9	4	3	2	2	2	2	2	2	3	3	3	3	2	3	3	3	3	3	4	4	8	9	8	4	4
10	2	2	2	2	2	2	3	3	3	3	3	2	3	3	3	2	2	2	2	2	3	4	4	4	3
11	3	2	2	2	2	3	3	4	4	2	1	1	1	2	3	3	3	2	1	2	5	4	4	5	3
12	6	5	5	4	4	5	6	7	8	7	6	6	8	8	8	8	9	8	9	9	10	10	8	6	7
13	5	3	2	2	4	8	10	10	10	11	10	10	10	10	10	11	10	8	8	10	12	11	9	8	8
14	6	4	3	3	4	5	8	7	5	5	7	7	3	4	4	7	9	5	2	8	10	7	7	6	6
15	6	6	6	5	5	5	6	6	7	6	6	6	5	5	5	5	5	6	5	6	8	8	6	4	6
16	3	2	2	2	2	2	2	1	1	1	3	6	7	6	5	4	3	4	4	4	3	2	2	2	3
17	2	2	2	1	1	1	1	2	2	2	2	3	3	2	2	3	6	8	8	8	7	7	7	7	4
18	5	5	5	5	5	5	5	6	9	9	8	7	6	7	11	10	9	8	8	9	8	9	9	5	7
19	4	3	3	2	3	7	11	10	10	10	10	9	9	8	9	13	12	11	13	13	12	14	14	8	9
20	7	4	2	2	3	8	12	12	10	10	9	8	***	9	9	10	8	7	7	8	8	7	8	7	8
21	8	4	3	2	3	7	7	7	11	10	11	***	12	7	8	10	9	5	7	9	9	7	10	8	8
22	6	6	4	3	3	4	6	7	7	7	6	5	4	4	4	5	7	8	8	7	6	5	5	5	6
23	4	3	2	1	1	1	2	2	2	2	2	3	2	2	1	1	1	2	2	1	1	2	3	3	2
24	3	3	3	3	3	4	5	7	7	8	6	3	5	5	5	5	5	4	5	6	6	6	6	5	5
25	5	5	4	5	5	5	5	7	9	11	12	13	13	12	11	12	11	8	4	9	9	6	6	5	8
26	4	3	2	2	2	3	5	6	6	5	6	6	8	7	7	7	5	5	5	5	4	6	5	4	5
27	4	2	1	1	2	4	6	6	6	6	6	6	6	7	7	9	7	8	8	7	7	5	3	2	5
28	2	2	2	2	2	2	2	2	2	1	1	1	1	3	4	4	6	7	7	7	6	4	5	4	3
29	4	4	3	2	2	4	4	4	5	4	5	5	6	6	5	5	5	3	2	1	1	1	1	1	3
30	2	2	1	1	1	1	1	1	1	3	3	4	5	4	3	3	3	3	4	4	4	6	5	5	3
31	5	5	4	4	4	4	4	4	5	5	6	7	***	5	5	5	5	5	5	4	4	5	5	4	5
MEAN	5	4	3	3	3	4	5	6	6	6	6	6	6	6	6	6	6	6	6	6	7	6	6	5	5.3

PERCENTAGE OF DATA VALID - 99.5

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

HOUR DAY	POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
	STATION - WC NO 29025					BARTON/WENTWORTH HAMILTON							MONTH - AUG 78													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	4	3	3	3	3	3	5	7	5	5	5	5	***	4	5	6	4	3	4	5	7	5	5	4	4	
2	4	3	3	3	2	3	3	3	3	3	3	3	4	4	5	4	3	4	5	5	4	3	3	4	4	
3	2	2	1	1	1	2	2	2	2	3	3	3	3	2	2	3	4	4	4	3	2	2	1	2	2	
4	1	1	1	0	1	2	3	3	2	2	1	1	2	3	3	3	3	3	3	3	3	4	3	3	2	
5	3	3	3	3	3	3	3	3	4	5	6	6	5	6	5	3	3	4	7	8	5	6	7	5	5	
6	4	3	3	2	2	3	3	3	3	2	3	3	4	3	3	3	3	3	3	3	5	9	7	3	5	
7	7	7	7	5	5	6	5	4	7	5	3	3	4	4	4	4	4	5	5	5	6	7	6	5	3	
8	6	3	2	2	3	5	4	4	3	4	4	4	4	3	3	4	4	2	3	2	2	2	1	3	3	
9	1	1	1	1	1	2	3	4	3	4	3	4	3	4	3	5	4	4	4	4	2	3	2	3	3	
10	2	2	1	1	2	2	2	2	2	2	3	4	5	6	5	4	4	4	4	4	3	3	3	3	3	
11	3	3	2	2	2	2	3	3	4	4	4	4	4	4	5	5	6	6	5	6	5	4	4	4	4	
12	4	4	4	3	3	3	4	4	4	4	3	3	1	1	3	4	4	4	5	6	6	4	5	6	4	
13	7	4	2	2	2	2	2	3	2	3	3	2	2	2	2	2	2	3	4	4	4	5	4	3	5	
14	3	2	2	2	2	5	6	6	7	6	5	4	4	3	3	4	6	6	7	8	8	8	7	7	5	
15	5	4	3	3	2	3	4	4	4	4	4	4	5	5	6	6	5	4	5	7	5	4	3	2	3	
16	2	2	2	1	2	2	3	3	4	4	4	4	4	4	3	3	3	2	2	3	3	3	3	2	2	
17	2	1	1	1	1	2	3	3	2	2	2	2	2	3	3	3	3	2	1	2	2	3	3	2	3	
18	3	3	2	2	2	2	3	4	4	5	7	7	7	7	8	8	8	7	7	4	5	3	4	5	5	
19	6	4	4	4	4	2	2	2	2	4	4	3	3	2	2	2	3	2	2	1	2	1	2	1	3	
20	2	1	1	0	0	1	1	1	0	0	1	2	2	1	1	2	3	3	3	4	2	3	2	1	2	
21	1	4	2	2	2	2	3	3	4	4	7	2	5	5	5	7	6	6	6	5	5	4	4	4	5	
22	4	4	4	4	4	2	5	***	8	8	4	3	4	4	4	5	5	5	4	5	5	6	4	4	5	
23	3	2	2	2	2	6	9	9	7	7	8	7	10	9	7	8	7	5	6	6	6	5	3	6	4	
24	3	2	2	1	1	2	4																			

PERCENTAGE OF DATA VALID - 99.8      PERCENTAGE OF DATA INVALID - 0.4      PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. "-" INDICATES DATA IS UNAVAILABLE  
3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT • AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON															MONTH - SEP 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6	5	5	4	4	4	3	4	4	4	5	6	5	6	8	8	7	7	9	9	7	5	6	6	6
2	5	4	3	2	2	5	5	6	4	4	4	4	5	4	4	4	5	3	4	4	5	5	4	3	4
3	3	2	2	1	1	2	4	2	3	3	2	1	1	3	6	2	1	1	1	1	1	1	1	1	2
4	1	1	1	0	0	0	1	1	1	1	2	2	2	2	2	2	2	3	4	4	4	3	3	3	2
5	2	2	1	2	2	3	4	4	4	3	2	2	4	6	7	8	7	7	6	5	4	5	5	3	4
6	2	1	1	1	1	3	5	5	5	5	5	4	4	4	4	6	6	4	3	3	3	3	3	3	4
7	2	2	1	1	2	4	7	7	5	2	2	2	4	5	5	6	3	2	2	2	2	2	2	2	3
8	2	2	2	2	1	2	3	3	3	3	3	3	3	3	3	3	2	2	3	3	3	3	3	3	3
9	3	3	2	2	2	2	1	1	1	2	2	2	3	3	3	3	2	3	3	4	4	3	3	3	3
10	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	4	4	4	4	4	4	4	4	4	3
11	4	4	3	2	1	2	4	5	4	4	4	4	4	4	4	4	5	4	3	3	2	2	2	3	3
12	4	2	1	1	1	1	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	3	2
13	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	3	2	2	2	2	2	2	3	3	2
14	3	3	3	3	3	3	3	3	4	4	5	5	5	5	5	6	6	5	4	3	3	2	2	2	4
15	2	2	1	1	1	2	3	3	3	3	3	3	3	3	3	4	4	4	4	4	3	2	3	3	3
16	2	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	2	3	1	1	1	1	1
17	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	3	2	2	2	2
18	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
19	2	1	1	1	1	1	2	3	3	3	4	4	6	5	4	5	5	5	4	5	6	5	5	5	4
20	4	4	4	4	4	4	3	4	6	5	7	8	7	7	8	8	6	5	4	5	5	5	5	5	5
21	5	4	3	1	1	2	3	4	4	3	3	3	4	2	1	2	2	1	1	1	1	1	1	1	2
22	0	0	0	0	0	1	1	1	1	2	3	3	4	3	3	4	3	3	3	2	3	2	2	5	4
23	2	2	2	2	2	2	2	2	3	4	4	4	5	3	5	4	4	4	6	7	7	6	5	4	4
24	3	4	4	4	4	3	3	3	3	3</															

PERCENTAGE OF DATA VALID - 99.2      PERCENTAGE OF DATA INVALID - 0.8      PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. "..." INDICATES DATA IS UNAVAILABLE  
3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29025

BARTON/WENTWORTH HAMILTON

MONTH - OCT 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	3	2	2	1	1	1	2	2	2	2	2	2	2	3	3	3	3	3	3	2	1	1	1	2
2	1	1	1	1	1	2	2	3	3	3	3	3	3	3	3	5	6	5	5	5	5	5	5	4	3
3	4	4	4	4	4	4	4	4	5	***	4	4	4	4	5	6	6	5	5	5	4	4	4	4	3
4	2	2	1	1	2	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
5	2	2	2	2	2	2	3	3	2	2	3	3	3	3	3	4	5	5	5	4	4	3	3	3	3
6	4	2	1	1	2	3	2	3	2	2	3	2	3	3	3	4	4	3	2	2	2	2	2	2	2
7	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	2	3	2	2	3	2	2
8	2	2	1	1	1	1	2	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	2	2	2
9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	4	4	3	2	2	2
10	2	2	1	1	1	3	4	4	4	4	4	5	5	5	5	6	6	5	5	4	5	5	5	5	4
11	4	4	4	4	4	4	4	4	5	5	4	4	5	6	7	6	6	7	6	5	5	5	4	4	5
12	2	2	2	1	1	2	3	3	***	3	3	3	3	3	4	5	6	4	5	4	4	4	4	3	3
13	3	2	2	2	2	2	2	3	3	2	2	2	2	3	3	3	2	2	2	2	2	2	2	1	2
14	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	2	1	1	1	1	2	1	1	3	1
15	3	3	3	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3
16	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
17	3	4	3	3	4	4	3	3	4	5	4	3	4	4	4	4	3	3	4	4	4	4	3	3	3
18	4	4	4	4	4	4	4	4	4	4	4	4	4	5	4	4	4	4	4	4	4	4	4	4	4
19	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	4	4	3	3	4
20	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	3	3	2	3
21	4	3	3	3	2	2	3	3	3	4	4	4	4	5	4	4	3	3	3	3	3	4	3	3	3
22	3	4	2	2	1	2	2	2	2	2	2	3	4	3	3	3	4	3	3	5	5	3	4	3	3
23	3	2	1	1	1	1	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	2	3	3	2
24	3	3	3	3	3	3	3	4	***	3	4	4	3	3	3	4	4	4	4	4	4	3	3	3	3
25	2	2	2	2	3	3	3	3	3	3	3	4	4	4	5	5	5	4	3	3	3	3	2	2	3
26	1	1	1	1	1	3	3	2	2	2	2	2	2	2	3	3	3	3	3	3	3	2	2	2	2
27	2	2	2	1	1	2	2	2	2	3	3	3	3	4	3	4	4	4	4	4	3	3	3	3	3
28	3	3	3	2	3	3	3	3	3	3	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2
29	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3
30	3	3	3	3	3	3	3	4	4	4	4	4	4	5	5	5	5	5	5	5	5	4	4	4	4
31	3	3	3	3	4	4	4	4	5	***	5	5	6	5	4	3	4	4	3	3	2	2	2	3	4
MEAN	3	2	2	2	2	3	3	3	3	3	3	3	3	3	4	4	4	3	4	3	3	3	3	3	2.9

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29025

BARTON/WENTWORTH HAMILTON

MONTH - NOV 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	2	2	3	3	4	3	4	5	4	4	4	5	5	5	5	4	4	4	4	4	3	3	4
2	3	2	2	3	2	2	3	4	4	4	4	4	5	5	5	6	6	6	6	6	5	5	5	5	4
3	5	5	4	5	4	4	4	4	5	7	8	11	12	12	12	12	8	6	6	6	6	5	5	5	4
4	6	6	5	5	5	4	4	4	5	5	6	6	6	6	6	6	6	6	6	6	7	6	6	6	7
5	6	6	5	5	5	5	5	5	5	5	5	4	4	5	5	4	4	4	4	4	7	6	6	6	6
6	2	2	1	1	1	2	4	5	5	4	4	3	2	2	2	2	3	2	2	2	1	2	2	3	5
7	3	3	3	3	2	2	2	3	2	3	2	2	2	2	2	3	3	3	3	3	2	2	3	3	3
8	4	3	3	3	3	4	4	5	6	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4
9	4	3	2	2	2	2	3	4	4	4	4	4	5	5	5	5	5	5	5	5	4	4	4	4	4
10	4	4	4	4	4	3	3	4	4	4	4	5	6	6	5	5	5	5	4	4	4	4	4	4	4
11	4	4	4	4	4	4	4	4	4	4	4	4	5	5	6	5	5	3	3	3	2	1	1	1	4
12	1	1	1	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
13	3	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
14	3	3	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
15	3	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
16	4	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3
17	4	4	4	4	4	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
18	2	2	2	1	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	2	2	3	3
19	3	3	2	2	2	2	2	3	2	2	2	2	3	3	3	4	4	4	3	3	3	3	3	3	3
20	3	3	2	1	1	1	2	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	3	3	3
21	2	2	3	2	2	3	3	3	3	3	3	***	3	3	2	3	3	3	2	3	3	3	3	3	3
22	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3
23	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3
24	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
25	2	2	1	1	1	1	2	1	1	2	2	1	1	1	1	2	2	2	1	1	1	1	2	1	1
26	1	1	1	1	1	1	1	1	1	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	2
27	2	2	2	2	2	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	3
28	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	3	3	3	3
29	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	3	3	3	3
30	3	3	2	2	2	2	2	3	3	3	3	2	3	3	4	4	4	4	4	4	4	4	4	4	3
MEAN	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3.4

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON												MONTH - DEC 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	
2	3	3	2	2	1	1	2	3	3	3	3	4	3	2	3	2	4	3	2	2	2	3	3	3	3
3	3	3	3	2	2	2	2	3	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	2	3
4	3	2	1	2	1	2	3	3	3	3	3	3	3	3	4	4	4	4	3	3	3	3	3	3	3
5	3	2	1	1	1	2	2	2	2	***	3	3	3	***	3	3	3	3	3	3	3	3	3	3	3
6	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	3	4	4	3	4	3	3	3	3	3
7	3	2	2	1	1	3	3	4	4	3	3	4	4	4	3	3	4	3	3	3	3	3	3	3	3
8	3	3	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	4	3	3	3	3	2	2	3
9	3	2	3	3	2	2	1	2	2	3	3	2	3	3	3	4	4	3	3	3	3	2	2	2	3
10	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	3	2	3	3	3	3	3	3	3	2
11	3	3	2	2	3	2	3	3	3	***	4	4	4	4	***	4	4	4	4	4	3	4	4	4	3
12	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3	3	3	3
13	3	3	2	2	2	2	2	4	3	3	3	3	4	3	3	3	3	3	2	3	2	2	2	2	3
14	2	2	1	1	1	2	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	2	2	3
15	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
16	3	4	4	4	3	3	3	3	3	3	3	4	4	4	4	5	5	4	4	4	4	4	4	3	4
17	3	3	3	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2
18	2	2	2	1	1	2	3	4	4	3	3	3	4	4	2	2	3	3	2	2	1	2	2	3	3
19	3	3	3	2	3	2	2	3	4	4	3	3	3	2	2	4	4	4	3	3	3	3	3	4	3
20	4	4	3	3	3	2	3	3	3	3	3	***	3	4	4	4	3	3	3	3	3	3	3	3	3
21	3	3	3	2	2	2	2	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	3	3	3
22	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	3	3	3	3	3	3
23	3	3	3	2	2	2	2	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	3
24	3	3	3	4	4	4	4	4	4	4	4	4	3	3	3	4	4	4	3	3	3	3	3	3	4
25	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2
26	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	4	4	4	3	3	3	3	3	3	3
27	3	2	2	2	2	2	3	3	3	3	3	3	4	3	4	4	4	4	3	3	3	3	3	3	3
28	3	3	2	3	3	3	3	3	3	4	3	3	4	3	5	4	4	5	5	4	4	4	4	3	4
29	4	4	4	2	2	2	3	4	4	4	4	4	4	4	4	4	4	3	3	3	4	3	3	3	3
30	4	3	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	4
31	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
MEAN	3	3	3	2	2	2	3	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3	3	3	3.0

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	5.3	9	11
FEB	28	6.4	10	11
MAR	29	6.0	12	17
APR	30	4.3	7	9
MAY	31	6.6	12	18
JUN	28	5.4	9	12
JUL	31	5.3	9	14
AUG	31	3.6	6	10
SEP	30	3.0	6	9
OCT	31	2.9	5	7
NOV	30	3.4	7	13
DEC	31	3.0	4	5
YEAR	361	4.6	12	18

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29025

BARTON/WENTWORTH HAMILTON

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	46	125	320	250	1	0	0	742
FEB	21	83	202	355	9	0	0	670
MAR	17	144	247	270	18	14	0	710
APR	119	159	300	133	0	0	0	711
MAY	50	83	209	318	55	21	0	736
JUN	33	139	294	201	19	0	0	686
JUL	36	171	305	199	27	2	0	740
AUG	55	348	275	63	0	0	0	741
SEP	106	366	218	24	0	0	0	714
OCT	74	443	220	2	0	0	0	739
NOV	40	398	262	13	5	0	0	718
DEC	28	527	184	0	0	0	0	739
YEAR	625	2986	3036	1828	134	37	0	8646

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
98.7	0	1.2	2.4	3.5	5.2	7.7	8.8	10.0	11.2	18	4.6

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31001

67 COLLEGE ST FIFTH FLOOR TORONTO

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	3	3	3	3	3	3	2	2	2	2	2	2	3	3	3	3	3	2	2	2	2	2	2	3
2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2
3	2	2	2	2	2	2	3	3	3	3	3	***	2	2	2	3	3	4	4	4	4	4	4	4	3
4	4	3	3	3	3	4	4	4	4	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4
5	4	3	3	3	3	3	3	3	4	4	4	4	3	3	3	4	4	4	4	4	4	4	5	5	4
6																									
7	3	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
8	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
9	2	1	1	1	1	1	1	2	2	2	1	1	2	2	2	2	2	3	2	2	2	2	2	2	2
10	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2
11	3	4	3	3	2	2	2	3	3	3	3	3	3	3	2	3	3	4	5	4	4	4	4	4	3
12	4	3	3	3	3	3	3	4	4	4	***	3	3	5	6	5	5	4	4	4	4	4	4	4	4
13	4	4	4	3	3	3	3	4	4	4	4	4	3	4	4	4	4	4	4	3	3	3	3	3	4
14	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	2
15	2	2	3	3	2	2	2	3	4	2	2	2	1	1	2	2	2	3	2	3	3	3	2	3	2
16	3	3	3	2	3	3	4	4	4	3	3	2	2	3	3	3	3	4	4	3	3	3	3	3	3
17	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3	3	3
18	3	2	2	1	2	2	2	3	2	2	2	2	2	2	3	3	3	4	4	3	3	3	3	3	3
19	4	4	4	4	4	4	4	4	4	4	4	5	4	3	3	3	4	4	4	4	4	4	4	4	4
20	3	3	2	2	2	2	1	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
21	2	2	2	2	2	2	2	2	3	2	2	2	2	3	3	3	3	4	4	4	4	4	4	4	3
22	4	4	4	4	4	3	3	4	3	3	3	3	3	3	3	3	4	4	4	4	3	3	4	3	3
23	4	4	4	4	4	3	3	4	4	4	4	3	3	4	4	4	5	5	6	6	6	5	5	4	4
24	4	4	4	4	4	5	5	4	4	4	4	4	4	5	5	5	5	5	5	5	5	4	4	4	4
25	4	4	4	4	4	4	3	3	4	4	4	4	4	4	4	3	3	3	3	3	2	2	2	2	3
26	2	2	2	2	2	2	2	2	3	2	1	***	1	1	1	1	2	2	1	1	1	2	2	2	2
27	1	1	1	1	2	2	2	2	2	3	2	2	2	2	2	2	2	3	3	3	3	3	3	3	2
28	2	2	2	2	1	2	2	3	3	1	1	1	2	2	2	2	2	2	2	2	3	2	2	2	2
29	2	2	3	3	3	3	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	3	2	3	2
30	3	4	4	3	3	2	2	3	3	3	3	2	2	2	2	2	3	3	4	4	3	3	3	3	3
31	3	3	3	3	3	3	3	3	4	3	3	3	3	3	4	4	5	5	5	5	4	3	3	3	4
MEAN	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	2.9

PERCENTAGE OF DATA VALID - 96.2

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 3.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO															MONTH - FEB 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	2	2	2	2	3	3	3	3	****	****	2	2	2	3	3	4	4	4	4	4	4	4	3
2	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	6	6	6	6	6	5	5	5	5	5
3	4	4	4	3	4	4	4	5	4	4	3	2	2	2	2	3	3	3	4	4	4	4	4	4	4
4	4	3	4	4	4	4	4	4	3	3	3	3	3	3	4	5	6	6	5	5	5	5	5	3	3
5	4	4	5	5	5	4	2	2	3	3	3	2	2	2	3	3	3	4	4	3	4	3	2	2	3
6	3	2	2	2	2	2	3	3	3	3	2	***	2	3	3	3	3	3	3	4	3	2	2	2	3
7	2	2	1	1	2	2	3	3	3	3	2	2	2	2	2	3	4	4	4	4	3	4	3	3	3
8	3	3	3	3	3	3	4	4	4	***	3	3	***	3	4	4	4	5	4	4	4	4	4	4	4
9	4	4	3	3	4	3	3	4	3	3	***	3	***	3	2	3	4	5	5	4	5	4	4	4	4
10	4	4	4	4	4	4	4	4	4	5	5	6	8	7	5	4	4	4	4	4	4	3	3	4	4
11	5	5	4	3	3	4	4	4	3	3	3	2	2	2	2	3	3	2	2	2	3	3	3	3	3
12	3	2	2	2	1	2	2	1	1	1	2	2	2	2	1	2	2	2	2	2	2	3	3	3	2
13	4	4	3	2	2	2	2	4	4	3	2	3	4	4	4	4	4	4	4	4	4	4	4	4	3
14	4	3	3	2	3	3	3	4	4	3	3	2	3	2	2	2	3	4	4	4	4	4	4	4	3
15	4	4	4	4	4	4	4	4	4	5	4	4	4	4	5	5	***	6	6	6	8	7	6	5	5
16	5	5	4	4	4	4	5	6	6	6	4	***	6	5	5	6	6	5	6	6	5	5	6	6	5
17	5	4	4	5	4	4	5	5	4	3	4	4	4	4	4	4	5	5	6	5	6	6	6	6	5
18	6	6	6	6	6	6	5	5	4	4	4	4	4	4	4	4	4	4	6	6	4	4	4	4	5
19	4	4	5	4	5	5	5	4	4	3	3	2	2	2	2	3	2	3	3	4	4	5	5	5	4
20	5	5	5	5	5	5	5	6	6	7	7	***	5	5	4	5	5	5	6	6	6	7	7	7	6
21	6	4	4	4	5	5	5	5	5	5	5	5	4	4	3	4	4	4	4	3	4	3	3	3	4
22	4	3	3	3	4	3	4	4	4	3	2	2	3	2	2	3	3	3	4	4	3	3	4	4	3
23	4	3	4	4	4	4	4	4	5	4	5	5	4	***	5	5	5	5	5	5	5	5	5	5	5
24	5	5	4	4	4	4	3	3	3	3	2	2	2	2	2	3	5	5	6	6	5	5	5	4	4
25	5	4	3	2	2	2	3	4	3	3	3	3	3	3	3	3	2	4	4	3	3	3	3	3	2
26	4	4	3	3	2	2	3	2	2	1	1	1	1	1	1	2	2	2	3	3	4	4	4	4	3
27	4	4	3	4	3	3	3	4	3	3	3	2	2	2	2	3	3	3	3	4	4	4	4	4	3
28	4	4	4	4	4	4	4	5	5	4	5	4	5	4	5	5	5	5	4	4	4	5	4	3	4
MEAN	4	4	4	3	4	3	4	4	4	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	3.7

PERCENTAGE OF DATA VALID - 98.5 PERCENTAGE OF DATA INVALID - 1.5 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO															MONTH - MAR 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	7	7	6	5	5	6	6	6	6	5	4	4	3	3	4	3	4	4	4	4	3	3	4	5
2	4	4	4	4	3	2	3	4	3	4	3	2	2	***	2	2	3	3	5	5	6	5	5	5	4
3	5	6	6	6	5	4	3	3	3	3	3	4	4	4	4	4	4	4	5	5	4	4	5	3	4
4	3	3	3	2	2	1	2	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	3	4	2
5	4	4	4	3	3	3	3	3	2	1	1	1	1	1	1	1	1	2	2	3	3	3	4	4	2
6	4	4	4	3	3	5	5	5	6	6	7	***	9	8	7	5	3	4	4	4	5	4	5	4	5
7	4	4	2	2	2	3	3	4	4	4	3	2	2	2	2	2	3	3	3	4	4	4	4	4	3
8	4	3	4	3	4	4	4	4	5	3	3	3	3	2	2	3	3	4	4	4	5	5	5	6	4
9	6	6	6	6	6	6	5	6	6	6	6	***	***	5	5	7	6	6	5	6	5	6	8	8	6
10	6	7	8	7	7	6	7	7	7	6	4	5	6	6	6	6	6	9	8	9	10	10	10	9	7
11	9	9	9	7	7	8	8	7	6	4	4	5	5	5	5	7	7	7	8	7	7	6	7	7	7
12	7	6	4	4	4	5	5	5	4	3	2	2	3	3	2	2	2	2	4	4	5	5	5	5	4
13	5	4	5	5	5	5	5	6	6	5	4	***	6	6	6	6	6	6	6	5	4	5	5	5	5
14	5	5	4	3	3	3	4	6	7	7	7	6	5	4	5	4	3	4	3	3	3	3	3	3	4
15	3	2	2	2	2	1	2	3	3	3	2	3	2	2	2	2	2	3	4	4	4	4	4	4	3
16	3	3	2	2	3	3	3	4	4	4	3	***	3	3	3	3	3	3	4	4	4	4	4	4	3
17	2	3	2	4	4	3	3	3	3	2	2	3	4	4	4	4	4	4	5	5	4	4	3	3	3
18	4	3	3	2	2	3	3	3	3	2	2	2	2	2	2	3	3	3	3	3	4	3	3	3	2
19	3	3	3	2	2	2	2	2	1	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2
20	3	2	2	2	2	3	4	4	3	2	2	3	2	3	3	3	3	3	3	3	3	3	4	5	3
21	5	5	5	5	5	4	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	3	3	3	4
22	2	2	3	3	3	2	2	4	4	3	3	***	4	4	4	5	5	5	5	5	5	4	4	4	4
23	3	2	2	2	2	3	4	4	4	3	2	2	***	2	2	2	2	3	3	4	5	5	3	2	3
24	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	4	4	5	4	4	2
25	4	4	4	4	4	4	4	4	4	3	2	2	2	2	2	2	3	3	3	3	3	2	2	2	3
26	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	3	3	3	3	3	2	2	2	3	2
27	2	2	2	2	3	3	3	3	4	4	4	3	4	3	3	4	4	4	4	5	4	4	4	3	3
28	3	2	3	3	3	3	3	4	4	4	3	4	3	3	3	4	4	4	5	5	5	5	5	5	4
29	5	5	4	3	2	2	2	3	3	2	2	2	2	2	2	2	2	2	3	4	4	4	3	3	3
30	3	3	3	4	3	3	3	4	4	6	6	5	4	***	2	2	3	3	4	4	5	5	4	4	4
31	4	4	4	4	3	3	4	5	4	5	4	4	4	4	4	5	5	4	4	4	3	3	3	3	4
MEAN	4	4	4	3	3	3	4	4	4	4	3	3	3	3	3	3	3	4	4	4	4	4	4	4	3.7

PERCENTAGE OF DATA VALID - 98.8 PERCENTAGE OF DATA INVALID - 1.2 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO													MONTH - APR 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	4	4	4	4	4	3	4	3	2	2	2	2	2	2	2	1	2	2	2	1	2	2	3
2	1	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	4	5	5	5	2	
3	5	4	1	1	1	1	2	2	3	3	3	3	4	3	3	3	3	4	3	3	3	3	3	4	3
4	3	3	3	3	3	3	3	3	3	3	3	2	3	2	4	5	5	4	4	4	4	4	3	2	3
5	2	2	1	1	2	2	2	3	3	3	2	2	2	2	2	2	2	2	3	3	4	4	4	4	2
6	4	4	4	4	4	4	4	3	3	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3
7	3	3	3	4	4	3	2	3	2	2	2	3	2	2	2	2	2	2	2	2	2	3	2	2	3
8	2	2	2	1	1	1	1	1	1	1	2	1	1	1	1	2	2	2	2	3	3	3	3	4	2
9	4	3	3	2	2	2	1	1	1	1	1	1	2	3	3	3	4	4	4	5	5	6	6	5	3
10	5	5	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3
11	3	2	3	2	2	3	4	4	4	4	5	6	5	3	2	2	2	3	3	4	3	3	3	3	3
12	2	2	2	1	1	2	2	3	3	3	3	4	4	4	4	5	5	5	6	5	5	5	3	3	3
13	5	6	5	5	4	4	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
14	2	2	2	1	1	1	2	2	2	2	1	1	2	2	2	2	2	2	2	2	3	2	2	2	2
15	4	3	4	3	3	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	3	3	2
16	3	3	3	3	3	2	2	2	2	2	1	2	2	3	3	3	3	3	3	3	3	3	3	3	2
17	4	3	2	2	2	2	4	3	4	5	5	5	4	4	4	4	4	5	4	5	6	4	4	4	4
18	4	4	4	4	4	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	2	2	2	2	3
19	2	2	2	2	1	1	2	2	4	4	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2
20	2	3	3	2	2	2	2	3	3	3	3	3	3	3	3	4	4	4	3	3	3	3	3	3	3
21	3	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	3	3	4	4	4	4	4	2
22	3	3	3	3	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	3	3	3	4	2
23	4	4	4	3	3	5	4	3	2	3	2	2	2	2	3	2	3	3	4	5	5	6	6	4	4
24	6	6	6	5	4	3	3	4	4	3	4	4	4	5	5	4	5	3	3	4	5	5	5	4	4
25	4	3	3	3	3	3	3	4	4	3	3	3	3	2	3	3	4	3	4	4	5	5	6	4	4
26	5	5	4	4	4	4	3	3	4	4	3	3	3	4	4	4	4	4	4	5	6	5	5	5	4
27	4	4	4	4	2	2	3	3	4	4	3	3	3	3	3	3	3	3	3	4	3	3	3	4	3
28	4	3	3	2	2	2	2	3	3	3	2	2	2	2	2	2	2	3	3	3	5	5	5	5	3
29	0	0	0	0	0	0	2	2	3	3	2	1	1	1	1	1	1	1	1	2	2	2	3	1	1
30	3	2	2	2	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	4	2	2
MEAN	3	3	3	3	2	2	3	3	3	3	2	2	3	3	3	3	3	3	3	3	4	4	4	4	2.9

PERCENTAGE OF DATA VALID - 99.0

PERCENTAGE OF DATA INVALID - 1.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO													MONTH - MAY 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	1	1	1	2	2	2	2	2	2	1	1	1	2	2	2	2	2	2	3	3	3	4	
2	4	3	3	3	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	3	2	
3	2	2	2	3	2	3	4	4	5	4	4	4	4	4	3	3	2	2	2	2	3	3	4	4	
4	4	3	3	2	2	2	4	3	3	2	1	2	2	2	2	2	2	2	2	3	3	3	2	2	
5	2	2	2	2	2	2	3	4	4	4	3	3	3	3	3	3	4	4	4	4	4	4	4	3	
6	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	
7	4	4	4	3	3	3	3	2	2	2	3	3	2	2	2	2	2	2	3	3	3	3	3	3	
8	2	2	2	2	2	2	3	4	4	4	4	4	4	5	5	6	6	5	5	5	4	4	4	4	
9	3	3	3	4	4	4	4	4	4	5	4	4	4	3	2	3	3	3	3	3	3	4	4	2	
10	1	1	1	1	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	3	4	4	2	
11	4	4	4	4	4	4	4	4	4	5	5	4	4	4	4	5	6	5	5	6	7	7	7	6	
12	6	6	5	4	3	3	4	6	6	6	6	5	6	6	6	5	4	3	4	4	4	4	3	3	
13	3	3	2	2	2	2	3	3	3	3	3	3	3	4	4	3	3	4	4	4	4	3	3	3	
14	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	
15	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	2	2	2	
16	1	1	1	1	1	2	3	3	3	2	2	2	2	2	2	2	3	3	2	3	4	5	4	3	
17	2	2	2	1	2	3	3	3	3	3	3	3	2	2	2	2	2	2	3	3	4	4	4	3	
18	4	3	3	3	3	3	3	4	6	4	4	7	6	7	7	6	4	4	5	6	6	5	4	3	
19	4	4	4	4	4	5	5	6	6	5	6	5	5	5	5	6	7	2	2	4	5	5	5	5	
20	5	5	5	4	3	4	5	6	6	5	4	4	4	4	4	5	3	4	5	4	3	3	3	4	
21	4	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	2	3	3	3	4	3	
22	3	3	3	3	3	3	3	4	3	3	3	3	3	3	3	3	3	3	3	4	4	5	5	3	
23	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	6	7	7	8	5	4	6	5	
24	7	7	7	7	7	7	7	8	9	5	4	4	4	4	3	4	4	6	7	8	8	6	6	5	
25	4	3	3	4	4	4	6	6	5	4	3	2	2	2	2	3	4	4	6	7	8	8	6	5	
26	5	5	4	5	4	4	6	7	6	5	9	8	7	6	6	6	5	4	5	8	8	7	8	10	
27	7	9	8	8	8	8	9	8	6	4	5	5	4	4	5	3	5	4	4	4	4	5	7	10	
28	9	9	9	8	5	5	7	4	4	3	2	2	2	2	2	2	3	3	4	4	4	4	5	4	
29	3	3	3	4	4	5	7	9	9	6	5	6	4	4	3	4	4	4	4	5	4	4	5	4	
30	4	5	6	5	5	5	6	7	10	7	6	5	5	5	5	4	4	3	4	4	4	4	7	5	
31	6	6	6	4	4	5	5	5	4	4	4	4	4	2	2	2	1	1	1	2	2	2	2	2	
MEAN	4	4	3	3	3	3	4	4	4	4	4	3	3	3	3	4	3	3	4	4	4	4	4	4	

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION											
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO													MONTH - JUN 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1	2	1	1	1	1	1	2	2	2	****	****	3	3	3	4	4	3	3	3	3	4	3	4	4
2	4	4	4	4	4	4	5	6	6	8	7	4	2	2	2	2	3	2	2	2	3	3	3	4
3	2	1	1	1	1	1	2	2	2	2	2	1	1	1	2	1	1	1	1	2	3	3	3	2
4	3	3	3	3	3	2	3	2	2	2	2	2	2	2	2	3	3	4	2	3	4	3	4	3
5	4	3	3	2	1	2	2	1	1	1	1	1	1	1	2	2	2	2	2	3	4	4	4	2
6	4	3	3	3	3	3	3	4	4	5	4	4	4	4	4	4	5	5	6	6	6	7	3	5
7	3	6	5	5	4	4	5	6	6	6	6	6	5	6	6	5	5	5	5	5	5	5	5	5
8	4	4	4	4	4	4	3	4	5	6	6	3	****	2	2	2	2	2	2	2	2	2	2	2
9	2	1	1	1	1	2	3	2	2	1	1	1	2	2	2	2	1	1	1	2	2	2	3	2
10	2	2	2	2	2	2	2	3	2	2	2	2	2	3	3	3	2	2	3	5	6	6	5	2
11	2	2	2	1	2	1	2	2	2	2	2	2	3	2	2	2	2	2	3	3	3	3	3	2
12	2	2	1	1	2	3	3	3	3	3	****	3	3	3	4	4	4	4	4	3	2	1	1	3
13	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	3	2	2	2	2
14	2	1	1	1	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	3	3	2	2
15	2	1	1	1	1	2	3	3	3	2	2	3	****	3	3	2	2	2	3	4	4	4	4	3
16	5	5	3	4	3	4	4	5	4	4	3	3	4	2	3	3	4	4	4	4	5	5	4	4
17	5	5	4	4	3	3	4	5	4	3	3	5	4	4	3	4	3	3	2	3	3	2	2	4
18	3	3	3	4	2	2	2	2	2	3	2	1	1	1	1	1	1	1	1	1	2	2	3	2
19	2	1	1	1	1	2	3	3	3	3	****	2	5	4	3	3	4	4	3	2	3	3	3	3
20	4	3	3	3	3	3	4	4	3	3	7	7	5	6	5	6	6	6	4	4	4	5	6	5
21	7	6	6	7	6	5	5	5	6	8	7	5	5	7	7	5	6	5	2	2	2	3	3	5
22	3	2	1	1	1	2	2	1	1	1	1	1	2	1	1	2	2	2	2	4	5	5	3	2
23	3	2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2
24	3	2	2	1	1	1	1	2	4	3	2	1	2	1	1	2	2	2	3	3	4	5	4	3
25	5	5	4	4	5	4	5	3	3	2	2	2	2	2	2	2	2	2	3	3	3	4	6	4
26	4	2	3	3	3	4	5	5	5	5	****	4	3	2	3	4	3	3	2	3	2	2	2	3
27	2	2	3	3	2	2	4	4	4	4	2	1	2	2	2	2	2	2	2	2	2	3	3	2
28	1	1	1	1	1	2	2	2	2	2	1	2	2	2	2	1	1	1	2	2	3	2	3	2
29	2	3	2	2	1	2	3	3	2	2	****	2	1	1	1	1	1	1	2	2	2	3	3	2
30	2	1	1	1	1	1	2	2	2	1	2	1	1	2	2	3	2	2	2	2	2	2	3	2
MEAN	3	3	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2.8

PERCENTAGE OF DATA VALID - 98.9 PERCENTAGE OF DATA INVALID - 1.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION											
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO													MONTH - JUL 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1	2	2	2	2	1	1	1	2	2	1	1	1	1	1	1	1	1	1	2	2	3	4	4	2
2	4	3	3	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2
3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1
4	2	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	2	1	2	3	4	4	2
5	4	3	3	3	3	3	5	7	7	5	5	4	3	2	2	2	3	2	2	3	3	2	2	3
6	3	3	3	2	2	3	3	4	5	4	4	3	****	3	3	3	2	2	2	3	3	3	3	3
7	3	2	2	1	1	3	5	6	4	4	4	4	3	3	3	3	3	2	2	2	3	2	3	3
8	2	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	3	3	2
10	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	2	1
12	2	2	2	2	2	2	3	3	3	4	3	3	3	3	3	3	2	2	3	4	3	3	4	3
13	3	4	3	2	2	2	2	2	2	3	****	3	3	3	3	3	3	3	4	3	2	3	4	3
14	3	1	1	1	1	1	2	2	2	5	5	4	4	4	3	4	4	3	3	5	4	5	3	3
15	3	3	3	2	3	3	3	2	3	3	3	2	2	2	2	2	2	2	2	3	2	2	2	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	3	3	4	3	3	2
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	3	3	4	3	3	2
18	2	3	2	2	2	2	3	3	4	6	5	4	4	****	****	5	4	4	6	4	4	5	5	4
19	3	3	4	4	4	4	7	8	8	6	5	5	4	4	5	4	5	6	7	6	7	9	10	6
20	8	4	3	2	3	5	8	7	6	6	6	6	****	****	6	5	5	4	4	5	6	7	6	5
21	6	5	4	4	5	6	6	5	4	5	5	4	4	6	8	6	7	5	6	7	6	7	9	8
22	7	8	6	5	4	4	3	5	6	4	3	3	4	3	3	4	2	3	4	5	6	4	2	4
23	2	2	2	2	2	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	3	2	2
24	2	2	2	2	2	3	3	4	5	3	3	3	3	2	2	2	2	2	3	3	3	4	3	3
25	3	3	3	3	3	3	3	3	3	3	3	4	5	5	4	4	4	3	3	2	3	4	4	3
26	5	3	2	1	2	2	3	4	4	4	4	4	4	4	4	5	5	5	4	2	3	3	2	2
27	2	1	1	1	1	1	2	5	4	3	4	****	6	6	4	5	6	5	4	6	4	3	5	4
28	1	2	2	1	1	1	1	2	2	2	2	2	2	3	4	3	4	3	2	2	2	2	3	3
29	3	3	3	3	3	3	3	3	2	2	3	4	4	5	5	5	3	2	2	2	2	2	3	3
30	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	3	2
31	3	3	2	2	1	2	2	2	2	2	2	2	2	2	4	3	3	3	3	3	5	4	5	6
MEAN	3	2	2	2	2	2	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	4	3

PERCENTAGE OF DATA VALID - 99.1 PERCENTAGE OF DATA INVALID - 0.9 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

HOUR DAY	POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT											UNITS - 0.01 PARTS/MILLION													
	STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO											MONTH - AUG 78													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6	5	5	5	4	4	5	5	6	5	4	5	6	5	5	5	5	4	4	5	6	8	8	8	
2	8	8	8	7	7	6	7	8	7	6	5	5	5	5	5	5	5	5	4	4	4	3	4	3	6
3	2	2	2	2	2	2	3	4	5	5	4	4	3	3	3	5	5	6	6	5	3	3	3	2	4
4	2	1	1	1	1	1	2	3	2	1	1	2	4	3	3	3	3	3	3	4	4	4	4	3	2
5	3	3	3	3	2	2	3	3	4	4	4	3	2	2	3	3	3	3	3	3	4	4	4	5	3
6	7	6	6	6	6	6	6	6	10	12	7	4	3	3	3	3	3	3	4	4	5	8	10	10	6
7	9	8	8	6	4	4	5	5	5	4	2	2	3	3	3	3	3	3	3	4	4	4	6	5	4
8	7	6	5	4	3	5	7	6	6	6	5	4	4	5	5	6	5	4	3	3	4	4	4	4	5
9	2	2	2	2	3	4	7	6	7	7	6	7	7	5	4	5	7	6	5	2	2	2	2	1	4
10	3	2	2	2	2	3	3	3	4	3	3	3	3	3	3	4	4	4	4	5	5	6	6	6	4
11	5	5	4	4	4	4	4	5	5	3	3	3	3	3	3	3	4	3	4	5	6	7	8	8	4
12	7	6	6	6	5	4	6	6	6	8	7	6	5	4	4	3	3	4	5	6	7	7	10	6	6
13	7	7	7	6	7	6	6	5	7	7	5	4	5	4	4	4	4	3	4	5	10	11	9	9	6
14	8	7	6	6	6	6	7	9	11	****	15	11	9	5	5	7	7	4	6	6	5	6	9	9	7
15	6	5	6	3	6	5	8	8	6	6	6	6	4	3	4	4	4	5	8	10	7	4	4	3	5
16	2	3	2	1	1	2	4	5	5	****	****	4	5	5	5	4	3	3	5	3	2	2	2	2	3
17	2	1	1	1	1	2	2	1	1	1	****	2	2	2	2	2	2	1	2	3	4	3	4	3	2
18	3	4	3	3	3	3	3	4	7	3	3	4	4	5	5	6	6	5	3	3	3	3	3	5	4
19	5	5	5	4	4	4	4	3	3	4	3	3	4	3	3	3	3	3	4	2	2	2	2	2	3
20	2	2	1	1	1	1	2	2	1	1	1	1	1	2	2	3	2	2	3	5	4	5	4	4	2
21	4	2	2	3	3	3	4	4	6	6	5	4	4	4	4	3	3	3	4	5	5	6	6	6	4
22	6	6	6	5	5	5	6	8	15	****	7	6	4	5	7	8	8	6	5	6	8	13	14	7	7
23	11	10	6	6	5	5	9	11	14	9	6	5	6	7	9	10	7	5	5	7	12	7	5	7	8
24	12	10	6	3	4	3	10	****	13	10	11	10	12	12	9	6	4	3	3	3	3	3	3	3	7
25	3	3	3	2	2	3	3	4	4	4	4	5	5	6	6	8	8	10	11	11	10	8	5	6	6
26	5	5	4	3	2	2	3	4	2	2	4	5	3	3	2	3	3	5	7	10	5	4	4	4	4
27	4	4	3	1	1	2	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2
28	1	1	1	2	2	4	5	6	5	4	4	6	6	5	5	5	4	4	5	4	3	3	2	1	4
29	1	1	2	2	2	4	5	5	4	4	4	4	2	1	2	2	2	2	2	3	4	4	4	4	3
30	4	4	3	4	4	4	4	5	6	9	10	7	6	6	5	6	6	6	5	6	5	4	4	3	5
31	3	2	2	2	2	3	4	4	5	4	4	3	2	****	5	5	5	5	5	6	7	7	6	5	4
MEAN	5	4	4	3	3	4	5	5	6	5	5	4	4	4	4	4	4	4	4	5	5	5	5	5	4.5

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

HOUR DAY	POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT											UNITS - 0.01 PARTS/MILLION													
	STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO											MONTH - SEP 78													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	4	4	4	3	3	3	4	3	3	6	7	6	4	4	5	7	7	7	7	6	5	7	7	5
2	7	7	7	6	6	5	5	5	5	4	4	3	4	3	3	3	3	3	3	3	6	7	7	7	5
3	5	4	3	2	2	3	3	2	2	3	3	3	4	4	5	4	2	2	2	2	2	2	2	2	3
4	2	2	2	2	1	1	2	2	2	2	1	1	2	2	3	2	3	3	5	6	3	4	4	4	3
5	4	4	5	4	4	4	4	5	6	5	****	5	4	4	9	8	8	7	6	6	5	4	4	4	5
6	4	5	4	3	3	4	7	8	8	8	11	3	3	2	3	3	6	6	8	8	6	6	3	2	5
7	1	1	1	1	1	2	3	3	****	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8	2	2	2	2	1	2	3	3	3	3	3	3	3	3	3	3	3	4	5	5	4	4	3	3	3
9	3	3	3	2	2	2	1	1	2	2	2	2	2	2	2	2	3	3	2	3	3	3	3	3	2
10	3	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	3	3	3	4	4	5	4	4	2
11	4	4	3	3	3	4	4	3	6	7	9	9	6	5	5	4	4	5	5	6	6	6	5	5	5
12	4	4	2	1	0	1	2	2	1	1	1	1	2	2	2	2	3	3	3	3	3	3	2	2	2
13	2	1	1	1	1	2	2	2	2	1	1	2	2	2	2	2	3	3	3	3	3	2	2	2	2
14	1	1	1	2	2	3	4	4	4	4	4	4	5	5	6	7	9	9	6	5	3	2	2	2	4
15	2	2	3	1	2	4	4	4	****	2	2	2	2	2	2	2	3	4	4	4	4	5	3	3	3
16	3	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	3	3	3	3	2
17	3	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	3	3	3	2	2	3	3	2
18	3	2	2	2	1	1	3	3	3	2	2	2	2	3	3	3	3	2	2	3	3	4	4	3	3
19	3	2	2	2	2	3	4	4	5	6	6	4	3	4	4	5	6	6	6	6	6	4	3	3	4
20	5	5	3	4	4	4	5	6	5	4	****	4	4	****	5	6	6	5	5	5	6	5	5	6	5
21	6	6	6	5	5	4	4	5	7	4	3	2	2	2	2	2	2	2	2	2	2	2	2	1	3
22	1	1	1	1	1	1	1	2	2	2	2	2	2	1	2	2	2	3	3	3	3	2	2	2	2
23	2	2	2	2	2	2	2	2	3	2	1	1	1	1	1	1	2	2	2	3	3	3	2	2	2
24	3	4	4	3	3	3	3	3	3	4	4	4	3	3	2	1	1	2	3	4	5	6	5	3	3
25	2	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	2	2	2	3	3	3	3	3	2
26	2	2	3	2	2	2	3	3	2	****	2	3	3	2	2	2	3	3	3	2	3	3	3	2	2
27	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	5	4	3	1	1	1	3
28	1	1	1	1	1	1	2	2	2	2	1	1	1	1	2	2	2	2	2	3	2	2	3	3	2
29	3	3	3	2	3	3	3	3	3	3	3	3	2	2	2	3	3	3	3	3	3	2	2	3	3
30	3	3	2	2	2	2	3	2	2	2	2	2	2	2	2	3	4	5	5	4	3	3	2	2	3
MEAN	3	3	3	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	3	3	3.1

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDIC

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION										
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO														MONTH - OCT 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1	2	2	1	2	2	2	2	2	2	2	1	1	1	1	2	2	2	2	2	3	3	3	2	2
2	2	1	1	2	2	2	2	3	3	2	2	2	2	2	2	2	3	3	3	3	4	4	3	2
3	3	2	2	2	1	1	2	2	2	1	2	2	2	2	2	2	3	3	2	2	2	3	2	2
4	2	1	1	1	1	1	2	3	3	2	2	2	2	2	2	2	2	2	3	3	4	3	3	2
5	3	3	3	2	2	3	3	3	2	2	2	2	2	2	2	3	3	3	3	3	3	1	3	2
6	2	2	2	1	1	2	3	2	2	2	2	2	2	2	2	2	2	3	3	2	2	1	1	2
7	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1
8	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	3	3	3
9	3	3	3	2	2	3	2	2	3	2	2	2	1	2	2	2	2	3	4	4	4	4	4	3
10	2	2	3	2	2	3	3	4	3	3	4	5	5	5	5	6	7	5	4	4	4	5	6	4
11	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	6	6	6	6	5	5	4	2	5
12	1	2	2	2	1	2	3	3	3	3	3	3	4	5	5	2	2	3	4	4	3	3	3	3
13	3	3	3	2	2	2	3	3	2	2	2	2	2	2	2	2	2	3	3	3	3	2	2	2
14	2	2	1	1	1	1	1	1	2	2	2	2	2	2	1	2	2	2	2	2	2	2	3	2
15	3	3	3	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	3	4	3	3	3	2
16	2	2	2	1	1	3	3	3	3	2	2	2	2	2	2	2	3	3	4	5	6	6	5	3
17	5	4	4	4	4	4	5	6	8	10	5	4	4	4	4	3	3	4	4	4	4	4	4	6
18	5	5	4	4	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4
19	4	2	2	2	2	2	3	4	4	4	3	2	2	4	4	4	4	4	4	4	4	3	3	2
20	2	2	2	2	3	3	4	5	5	6	3	3	3	3	3	3	4	4	4	4	4	5	5	4
21	4	4	4	4	3	3	4	3	3	3	3	3	4	3	3	4	4	4	6	6	5	5	4	3
22	3	3	3	2	2	2	3	3	2	3	3	3	3	3	3	4	5	5	4	6	5	5	5	4
23	3	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	4	2
24	4	3	3	4	4	4	5	6	5	5	5	4	3	3	3	3	3	4	4	4	4	3	3	4
25	3	3	3	3	3	4	4	4	4	4	3	3	4	4	4	5	5	5	5	5	4	3	3	2
26	3	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2
27	2	2	1	2	2	2	2	2	3	2	2	2	2	2	3	3	3	4	4	4	4	4	4	3
28	3	3	3	3	3	3	3	3	3	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2
29	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3
30	2	1	1	1	1	1	2	2	2	2	2	2	3	3	3	4	4	4	4	4	4	3	3	3
31	3	3	3	3	3	3	3	4	4	4	5	5	5	5	3	5	4	3	2	3	2	2	2	3
MEAN	3	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2.8

PERCENTAGE OF DATA VALID - 98.7

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION										
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO														MONTH - NOV 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1	2	2	2	1	1	1	1	2	2	3	2	2	2	2	2	2	3	3	3	3	3	3	3	3
2	3	3	3	3	3	3	2	3	3	3	3	3	3	4	4	3	4	4	4	4	4	4	4	3
3	4	3	3	4	4	4	4	4	5	5	5	5	5	5	5	6	6	6	7	7	7	7	7	5
4	9	7	6	6	6	6	6	6	6	6	6	6	6	6	6	7	8	8	7	8	9	10	10	7
5	9	8	8	8	8	6	5	4	4	5	4	4	3	4	3	4	3	4	4	5	4	4	3	5
6	4	3	3	3	3	3	4	5	6	3	3	3	2	2	3	3	3	3	2	2	2	3	3	3
7	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	3	4	3	3	3	3	2
8	4	4	4	4	3	4	4	5	5	5	5	5	4	3	3	4	4	4	4	3	3	4	4	3
9	3	3	3	2	2	3	3	4	4	4	3	3	4	4	4	5	5	4	5	5	5	4	4	4
10	4	4	4	4	4	4	4	4	5	4	3	3	3	3	3	3	4	3	3	3	3	3	3	4
11	3	3	3	3	4	4	3	4	4	4	3	3	3	4	5	6	5	4	3	2	2	2	2	3
12	2	2	2	2	1	1	1	2	2	2	2	3	3	2	2	2	2	2	2	3	3	4	4	2
13	3	3	3	3	3	3	4	4	4	4	3	3	2	2	2	2	3	3	3	3	3	3	3	2
14	3	3	3	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
15	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	5	5	4	3
16	4	4	4	4	3	3	3	4	4	4	3	3	3	3	2	2	3	3	3	3	3	3	2	3
17	2	2	2	2	2	2	3	3	3	4	3	4	4	4	4	4	4	4	4	4	4	4	4	3
18	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2
19	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	2	3	2	2	2	2	2
20	1	1	1	1	1	1	2	3	3	3	2	2	2	2	2	2	3	3	3	2	3	2	2	2
21	2	2	2	2	2	2	3	4	4	4	3	3	3	3	3	3	3	3	4	4	4	4	4	3
22	4	4	3	2	2	2	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	2	3	3
23	3	3	3	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
24	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	3
25	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	2
26	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	3	3	3	4	3	3	3	3	1
27	1	2	2	3	2	2	1	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	2
28	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	3	4	4	4	4	4	4	3
29	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
30	3	3	3	3	2	2	2	3	2	2	2	2	2	2	2	3	3	3	3	3	4	3	4	3
MEAN	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3	4	3	3.1

PERCENTAGE OF DATA VALID - 98.5

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO														MONTH - DEC 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	4
2	2	2	1	2	2	2	3	3	3	3	3	2	2	2	3	2	3	3	3	4	4	4	3	3	3
3	4	4	3	3	3	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	2	3
4	3	3	3	2	3	2	3	2	3	3	2	3	3	3	3	3	3	3	2	2	2	2	2	2	3
5	3	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	2	2
6	3	3	3	3	3	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2
7	3	2	2	3	3	3	3	4	3	3	2	2	2	2	3	3	3	3	3	3	3	3	3	2	3
8	3	3	3	3	3	3	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
9	3	3	3	3	3	2	3	3	3	2	2	2	2	2	2	2	3	3	3	3	3	2	2	2	3
10	2	2	2	2	2	2	2	1	2	1	2	1	1	1	1	2	2	2	2	3	3	2	2	2	2
11	3	3	3	3	3	3	3	3	4	3	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3
12	3	3	3	3	3	3	3	3	4	4	4	3	3	3	4	5	5	5	4	4	4	4	4	4	4
13	3	3	3	3	3	3	3	4	4	3	3	3	3	3	2	3	3	3	2	2	2	2	3	2	3
14	1	1	1	1	1	1	2	4	5	4	4	3	2	2	3	3	4	4	4	4	4	4	4	3	3
15	3	3	3	3	3	3	3	3	3	3	3	2	3	2	3	3	4	4	4	4	4	4	4	3	3
16	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	4	3	3	3	3	4	4	3	4
17	3	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	2	2
18	2	2	2	1	2	2	3	4	4	4	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3
19	2	2	2	2	2	2	2	3	3	3	2	2	2	2	3	3	3	3	3	3	3	4	3	4	3
20	4	4	4	4	3	2	2	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3
21	3	3	2	2	2	2	2	2	2	2	2	2	2	2	3	3	4	5	5	4	4	4	4	4	3
22	4	4	3	2	2	3	3	4	5	4	3	3	4	4	4	5	4	5	4	4	4	3	3	2	4
23	2	2	2	3	3	2	3	3	3	3	2	2	2	2	2	3	4	5	5	4	5	5	5	5	3
24	6	6	5	3	3	2	2	2	2	2	2	3	3	3	3	3	4	5	5	4	5	5	5	5	3
25	3	3	2	3	3	3	3	3	2	2	3	3	3	3	2	1	2	2	2	2	2	2	2	2	2
26	2	2	2	1	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3
27	3	3	3	2	1	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3
28	4	3	2	3	3	3	3	4	5	4	3	3	3	3	4	4	5	6	6	4	4	4	4	4	3
29	5	4	4	4	5	5	6	8	7	7	7	8	5	3	4	4	4	6	6	7	6	5	5	5	4
30	4	3	2	2	3	2	3	4	3	3	3	3	4	4	4	5	5	5	6	6	6	5	6	5	4
31	5	5	4	4	4	4	4	4	5	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4
MEAN	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	4	4	4	3	3	3	3	3	3.0

PERCENTAGE OF DATA VALID - 98.1

PERCENTAGE OF DATA INVALID - 1.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

## POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

## STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	30	2.9	4	6
FEB	28	3.7	6	8
MAR	31	3.7	7	10
APR	30	2.9	4	6
MAY	31	3.7	6	10
JUN	30	2.8	5	8
JUL	31	2.7	6	10
AUG	31	4.5	8	15
SEP	30	3.1	5	11
OCT	31	2.8	5	10
NOV	30	3.1	7	10
DEC	31	3.0	5	8
YEAR	364	3.2	8	15

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	30	489	197	0	0	0	0	716
FEB	13	258	381	10	0	0	0	662
MAR	32	337	323	43	0	0	0	735
APR	81	439	193	0	0	0	0	713
MAY	53	318	310	55	0	0	0	736
JUN	137	384	179	12	0	0	0	712
JUL	197	348	169	23	0	0	0	737
AUG	44	234	344	95	16	4	0	737
SEP	88	419	176	30	1	0	0	714
OCT	89	452	190	3	0	0	0	734
NOV	38	477	171	23	0	0	0	709
DEC	32	500	194	4	0	0	0	730
YEAR	834	4855	2827	298	17	4	0	8635

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	FREQUENCY 50	CONCENTRATIONS DISTRIBUTION, 70	PERCENT 90	PERCENT 95	98	99	MAX	ARITH MEAN
98.6	0	1.0	1.8	2.5	3.3	4.8	5.7	7.0	8.0	15	3.2

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31105 HYDRO 55 SHERBOURNE/WILTON ST. TORONTO

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
3	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
4	3	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
5	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
6	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
7	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
9	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
11	3	3	3	3	3	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	3	3	3	3
12	3	3	2	2	2	3	3	3	3	3	4	4	4	4	4	5	5	5	4	3	3	3	3	3	3
13	3	3	3	2	2	2	2	3	4	5	7	6	5	6	7	7	6	5	4	5	4	4	4	4	4
14	2	2	2	2	2	4	5	5	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
15	3	3	3	3	3	2	3	3	3	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3
16	3	3	2	2	2	2	2	3	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
17	3	4	4	3	3	3	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
18	2	2	2	2	2	2	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
19	4	4	4	5	5	6	6	6	6	6	6	7	5	4	4	4	4	4	4	4	4	4	4	4	4
20	2	2	1	1	1	2	3	4	4	6	7	6	6	6	5	4	3	3	3	3	3	3	3	3	3
21	4	4	3	4	4	3	3	3	3	4	3	4	4	3	3	3	3	3	4	4	4	3	3	3	3
22	3	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	3	3	3	3	3
23	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4
24	4	3	3	3	3	3	3	4	3	3	3	3	3	4	4	4	4	4	4	4	3	3	3	3	3
25	3	3	3	3	3	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3
26	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
27	2	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3
28	3	3	2	2	3	3	3	3	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3
29	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
30	3	3	3	3	3	3	3	3	4	4	3	3	3	3	3	3	3	4	4	4	3	3	3	3	3
31	3	3	3	2	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	3	3	3	3	3
MEAN	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3.1

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-.-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY





POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 31105					HYDRO SS SHERBOURNE/WILTON ST. TORONTO															MONTH - APR 78					
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	3	3	3	3	3	3	3	4	4	2	2	2	3	2	2	2	2	1	2	1	1	2	2	2
2	2	2	2	2	2	2	2	1	2	1	1	1	2	2	2	2	2	2	2	3	3	3	3	3	2
3	3	2	1	1	1	1	2	3	3	2	3	3	3	3	3	4	4	3	2	2	3	2	2	2	3
4	3	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2	2	3	3	3	3	2	2	3
5	2	2	2	2	2	2	2	3	3	3	2	3	3	3	3	2	2	2	2	2	2	2	2	2	2
6	DATA INVALID																								
7	DATA INVALID																								
8	2	2	2	2	1	1	1	2	1	2	2	1	2	2	2	2	2	2	2	3	3	3	3	2	2
9	3	3	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	4	4	4	4	4	3	4	3
10	4	3	2	3	2	2	3	4	3	3	3	3	3	3	2	3	3	2	2	2	1	2	2	2	3
11	2	2	2	2	2	3	3	4	4	4	4	4	4	3	3	3	3	4	4	4	4	3	4	4	3
12	4	2	2	2	2	3	3	3	3	3	3	3	3	4	4	5	5	5	4	5	4	5	6	6	4
13	6	5	4	4	4	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	3
14	3	2	2	2	2	2	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	2	2	2	2
15	4	3	3	2	3	2	2	1	1	1	1	2	2	3	3	3	3	4	3	4	3	3	3	3	3
16	3	3	3	3	3	2	3	4	4	5	5	5	3	4	4	4	5	5	5	5	5	4	4	4	4
17	3	2	2	2	3	2	3	4	4	4	4	4	4	4	4	4	4	5	5	5	5	4	4	4	4
18	5	4	5	4	4	3	4	3	3	4	3	4	4	4	3	3	3	2	2	2	2	2	2	2	2
19	3	3	2	2	2	2	3	4	3	3	3	3	3	3	3	3	3	2	2	2	1	1	1	1	2
20	2	2	2	2	2	3	4	4	4	4	3	4	4	4	4	4	4	4	3	3	3	3	3	3	3
21	3	3	2	2	2	2	3	3	3	3	3	3	3	3	3	4	4	3	4	4	3	3	3	3	3
22	3	3	3	3	3	3	3	2	2	2	2	2	3	3	2	3	2	3	3	3	3	3	3	4	3
23	4	4	4	3	3	3	3	2	2	2	2	2	3	3	3	2	3	4	4	4	5	4	5	5	3
24	6	5	5	4	4	3	4	4	4	4	3	3	4	4	4	4	5	5	3	4	4	4	4	4	3
25	4	4	3	3	3	3	4	4	4	3	3	3	4	4	4	4	4	4	4	4	4	4	5	5	4
26	5	4	4	3	3	3	4	4	4	4	4	4	4	4	4	4	5	5	6	4	3	3	4	3	4
27	4	4	3	3	2	3	3	4	4	4	3	3	4	4	4	4	5	4	3	4	4	4	4	4	4
28	3	3	2	2	2	3	3	4	4	4	4	3	3	4	4	4	5	4	3	4	4	4	4	4	4
29	4	4	3	2	2	2	2	2	2	3	3	1	2	2	2	2	2	2	2	2	2	2	2	2	2
30	2	2	2	2	1	2	1	1	1	1	1	1	2	2	2	2	2	2	2	3	2	3	2	2	2
MEAN	3	3	3	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2.9

PERCENTAGE OF DATA VALID - 92.6 PERCENTAGE OF DATA INVALID - 7.4 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																										
POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION												
STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO														MONTH - MAY 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	2	1	1	2	2	3	3	3	3	2	3	....	4	3	4	3	3	3	3	3	4	3	4	4	3	
2	4	3	3	2	3	3	5	4	4	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3	3	
3	3	4	4	3	3	4	4	4	....	....	4	4	3	4	3	3	3	2	3	3	3	4	4	4	3	
4	4	2	2	2	2	4	4	4	3	4	....	3	3	3	3	3	2	2	2	2	2	2	2	2	3	
5	2	1	2	2	2	4	4	4	5	5	5	5	5	5	5	5	4	4	5	4	5	4	4	4	3	
6	2	2	2	2	2	2	3	3	2	3	3	3	3	3	3	3	3	2	2	2	2	2	2	3	3	
7	5	4	4	4	3	3	3	2	2	4	4	3	3	3	3	3	3	2	2	2	2	2	3	2	3	
8	2	2	2	2	3	4	4	4	4	4	4	....	6	6	6	6	5	5	4	4	4	5	4	4	4	
9	4	3	3	3	4	4	4	4	4	4	4	4	4	4	3	3	4	4	4	4	4	3	3	3	4	
10	3	2	1	2	2	3	3	3	3	....	2	3	3	3	3	3	3	3	3	4	4	3	4	4	3	
11	3	3	3	3	3	3	3	3	4	5	5	5	5	5	5	5	4	4	5	6	6	6	5	5	4	
12	5	5	4	3	4	5	6	6	6	7	....	7	6	6	6	6	5	5	4	4	4	4	3	3	5	
13	2	2	1	2	2	2	3	4	3	2	2	2	2	3	2	3	3	5	5	4	4	3	2	2	3	
14	1	1	1	1	1	2	2	1	2	2	2	2	2	2	1	2	2	2	1	1	1	1	1	1	1	
15	1	1	1	1	1	3	4	3	3	3	3	3	....	3	3	3	3	3	2	2	2	2	2	2	2	
16	2	2	1	1	2	3	3	4	3	3	3	3	3	3	3	4	3	3	4	4	4	3	3	3	3	
17	3	2	2	2	2	3	3	3	3	3	2	....	3	3	3	3	2	3	3	3	3	2	3	3	3	
18	3	3	3	3	3	3	4	6	4	5	5	6	7	7	8	6	5	5	5	5	5	5	4	5	5	
19	4	4	4	4	3	3	4	5	4	5	6	6	5	6	7	6	6	3	3	4	5	5	5	4	4	
20	5	4	4	4	4	4	4	5	5	6	4	5	5	4	4	6	4	4	4	5	5	4	4	4	4	
21	4	2	2	2	2	2	2	2	3	2	2	2	2	3	3	3	3	2	3	3	3	3	3	3	3	
22	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	5	5	5	5	5	4	4	4	
23	4	4	4	4	4	4	5	6	5	5	6	6	6	6	7	7	7	7	7	7	7	7	7	7	6	
24	8	7	5	5	6	7	9	9	9	8	7	6	4	....	8	9	8	6	9	9	5	5	5	5	5	
25	5	4	4	4	5	5	6	9	8	7	6	4	4	....	8	9	8	6	9	9	5	5	5	5	6	
26	6	5	5	5	5	6	8	8	8	9	8	10	9	7	8	9	7	7	9	8	7	8	7	6	7	
27	7	7	4	4	6	7	9	7	8	6	6	6	6	6	5	5	4	5	6	5	5	9	9	9	5	
28	9	8	7	5	4	6	6	5	4	3	3	4	5	5	4	5	5	4	5	5	6	6	6	6	5	
29	6	6	4	3	4	5	7	6	5	5	5	5	5	5	7	7	7	6	5	4	5	6	5	5	5	
30	6	6	5	5	4	4	5	8	7	7	7	6	6	7	9	8	5	4	5	6	4	6	7	5	8	
31	4	3	3	2	5	6	5	4	4	4	4	5	5	3	3	3	2	2	2	2	2	2	3	3	3	
MEAN	4	3	3	3	3	4	5	5	4	4	4	4	5	5	5	5	4	4	4	4	4	4	4	4	4	

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO															MONTH - JUN 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	2	1	2	2	2	2	3	3	4	3	3	5	5	4	3	3	3	3	3	3	4	4	3
2	3	2	3	3	3	4	5	3	4	6	7	5	0	3	4	4	3	3	3	3	3	4	3	3	4
3	3	3	2	3	2	2	2	3	3	2	3	2	3	3	3	3	3	2	3	3	3	3	3	3	3
4	4	4	3	3	3	3	3	4	3	3	3	2	4	4	3	3	4	4	5	4	5	4	4	4	3
5	4	4	4	3	2	3	3	3	3	2	2	2	2	3	3	3	3	3	3	3	4	4	4	4	4
6	4	4	3	3	3	3	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	6	4	3
7	5	5	5	5	5	4	7	7	6	6	6	6	5	6	6	6	5	4	4	5	4	5	5	4	5
8	4	4	4	3	4	4	4	4	4	5	5	5	4	4	4	3	3	3	3	3	2	2	2	3	4
9	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	2	2	2	3	3	3	3	3	3
10	3	3	2	3	3	2	3	4	3	3	3	3	3	3	3	2	2	3	3	4	5	4	4	4	3
11	4	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	3	3	4	5	6	6	5	3
12	3	2	2	2	2	3	3	4	5	4	4	4	5	6	6	7	6	6	5	5	3	3	2	2	4
13	2	1	1	2	1	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	2	2	3	2
14	3	2	2	2	2	3	3	4	3	3	3	3	3	3	2	2	3	3	3	3	2	3	3	3	2
15	3	2	2	1	2	2	3	4	3	3	4	4	4	5	4	4	4	5	5	5	5	4	4	5	4
16	3	3	3	3	3	4	5	5	5	5	5	5	6	6	7	6	5	4	4	4	4	7	6	6	5
17	6	6	5	5	5	6	7	8	6	8	8	7	7	7	6	6	6	8	7	8	8	7	7	6	7
18	5	4	3	4	4	5	4	4	4	4	4	4	4	4	3	2	2	2	2	2	3	3	3	3	3
19	3	3	3	3	3	4	4	5	5	5	5	5	5	5	4	5	4	6	5	6	3	4	4	4	4
20	4	4	4	4	3	5	11	***	***	8	10	8	7	6	7	***	9	11	10	7	6	6	8	8	7
21	6	8	6	7	6	6	6	6	6	8	8	6	6	6	6	8	8	5	3	3	4	3	3	3	6
22	3	3	2	2	2	2	3	3	3	3	3	3	3	3	3	4	3	3	3	4	5	6	5	3	3
23	4	3	2	3	2	3	3	3	3	3	3	3	2	2	2	3	2	2	2	3	3	3	3	3	3
24	3	3	3	3	2	3	3	4	5	5	4	3	3	2	2	2	3	3	4	4	5	5	5	5	4
25	6	5	5	5	4	4	5	4	4	4	3	2	3	3	2	3	2	2	2	2	3	4	5	6	4
26	4	3	3	3	5	6	6	7	7	6	6	6	6	6	6	6	6	4	4	3	5	6	6	6	5
27	4	4	3	4	4	4	4	4	4	4	4	4	4	6	4	4	3	3	3	2	3	3	3	2	4
28	2	2	2	2	2	3	3	4	4	4	4	4	4	4	3	3	3	3	3	3	4	4	3	3	3
29	3	3	3	2	2	3	4	4	4	4	3	2	3	3	4	3	3	3	3	3	3	3	4	4	3
30	4	3	1	1	2	2	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3	3	3	3	3
MEAN	4	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3.8

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO														MONTH - JUL 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	2	2	2	2	2	3	2	2	2	2	2	1	2	2	2	2	3	3	4	3	4	4	2
2	4	3	3	2	2	2	1	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2
3	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2
4	1	1	1	1	1	3	4	3	3	2	***	3	2	3	2	2	2	2	2	2	1	2	2	1	1
5	3	3	3	3	3	4	5	5	5	4	***	4	4	5	4	4	4	4	4	5	5	5	5	3	4
6	3	4	3	3	4	4	5	5	5	5	4	4	5	4	5	5	5	5	5	5	5	5	5	3	4
7	6	3	3	3	5	8	7	6	5	5	5	5	5	5	4	5	4	4	4	6	6	6	6	4	5
8	5	4	3	3	2	3	3	3	3	3	2	2	3	2	2	1	1	1	2	2	2	2	2	2	2
9	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	3	3	3	3	3	2
10	3	2	3	3	2	2	2	2	2	***	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2
11	2	2	2	2	2	2	2	3	3	2	2	3	2	2	3	3	3	2	3	3	3	3	3	3	3
12	3	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	3	4	4	4	4	4
13	4	4	4	4	4	4	4	4	4	3	4	4	4	4	5	5	4	6	8	7	6	6	6	5	5
14	5	4	2	3	3	4	4	4	5	5	***	5	4	4	5	4	4	4	4	5	7	5	6	5	4
15	3	4	3	3	3	3	5	6	5	4	4	4	3	3	3	3	3	4	4	4	3	3	4	3	4
16	3	2	2	2	2	2	2	2	2	***	2	2	2	3	3	3	2	2	2	2	2	3	3	2	2
17	3	3	2	2	2	2	2	2	2	3	***	3	3	4	3	3	4	3	4	4	6	6	4	3	3
18	3	3	3	3	3	3	4	6	5	6	5	6	5	6	5	6	5	3	3	4	4	4	5	4	3
19	4	4	3	2	3	5	6	5	6	5	***	3	4	4	3	4	5	7	9	6	8	7	6	6	5
20	5	2	4	4	3	7	7	7	***	***	8	5	6	5	6	7	5	4	5	8	9	8	7	6	6
21	5	4	3	4	5	4	5	4	5	6	6	5	4	7	8	8	7	8	7	6	7	7	6	6	6
22	5	5	4	3	3	3	4	3	4	3	3	3	3	2	3	3	4	3	5	5	6	5	5	3	4
23	3	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	2	2	2	2	3	3	3	2	2
24	2	2	2	2	3	3	4	5	4	3	3	3	3	3	3	3	3	3	3	2	2	3	***	3	3
25	2	3	***	3	3	3	4	3	3	3	3	3	4	4	3	4	3	2	2	2	3	4	4	3	3
26	2	2	1	2	3	3	3	3	2	3	3	2	3	3	3	4	4	5	6	7	8	2	4	3	3
27	2	2	1	2	3	3	5	5	4	4	4	***	5	5	7	6	5	5	6	5	4	3	2	2	4
28	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	4	4	4	4	4	3	4	3	3	3
29	3	2	3	3	3	3	3	3	3	3	4	4	5	5	5	6	5	3	3	3	2	3	3	3	3
30	3	2	1	2	1	1	2	2	2	1	2	2	2	2	2	3	2	2	2	2	3	3	3	3	2
31	3	1	1	2	2	3	3	2	2	3	3	3	3	3	4	4	4	5	4	5	4	6	6	5	3
MEAN	3	3	2	2	3	3	3	4	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	3.4

PERCENTAGE OF DATA VALID - 98.5

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION										
		STATION - C NO 31105 HYDRO 55 SHERBOURNE/WILTON ST. TORONTO														MONTH - AUG 78										
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		4	4	4	4	4	4	4	5	5	5	5	5	5	5 ****	6	5	6	4	5	5	6	8	7	7	5
2		7	6	6	5	5	5	7	7	7	6	6	6	7	6	6	6	7	7	5	7	4	6	6	3	6
3		2	2	2	2	4	4	5	4	5	4	5	4	4	4	3	5	7	7	7	6	3	3	3	3	4
4		3	3	2	3	3	3	3	3	3	3	3	4	4	4	5	5	4	4	4	4	3	4	4	4	4
5		4	4	4	4	4	4	4	5	3	4	3	2	3	3	3	3	3	5	5	3	3	6	7	7	4
6		7	7	7	6	6	5	7	11	12	8	5	5	4	4	3	3	3	4	5	5	7	9	9	6	5
7		8	8	7	7	6	6	6	7	6	3	3	4	5	4	5	4	4	3	3	4	3	6	7	6	5
8		4	4	4	3	5	6	7	6	5	5	4	4	4	5	6	4	4	3	4	5	5	6	3	3	4
9		2	3	2	2	2	4	5	5	5	4	5	5	5	5	4	5	4	4	4	3	3	3	3	3	4
10		3	2	2	2	3	2	2	3	3	2	3	2	2	2	3	2	2	2	2	2	2	2	2	2	2
11		2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	3	2	3	2	3	2
12		3	3	2	2	3	3	3	3	4	5	4	4	4	3	3	3	3	3	4	5	5	4	4	4	3
13		4	3	3	3	3	3	3	3	4	3	3	3	3	3	3	3	3	3	3	4	4	4	3	3	3
14		3	3	3	3	2	3	3	3	4	4	4	4	5	4	4	4	5	4	4	4	4	4	4	3	4
15		3	3	3	3	3	3	3	3	2	3	3	2	3	3	3	3	3	3	3	3	3	2	2	3	2
16		2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	2	2	2	3	2
17		2	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1	2
18		2	2	2	2	1	1	1	2	3	****	4	4	4	5	5	4	3	3	3	3	2	3	3	3	3
19		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	2	2	2	3
20		2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2
21		2	2	2	3	2	2	2	3	3	3	3	3	4	4	3	3	3	3	3	3	3	3	3	3	3
22		3	3	3	3	3	3	3	5	5	4	4	4	4	5	6	8	8	7	7	7	8	7	7	7	5
23		7	6	5	5	5	6	8	12	8	7	7	7	7	7	8	6	6	6	5	6	7	7	7	7	7
24		6	4	4	4	4	6	6	6	6	6	6	6	7	6	6	5	3	2	2	2	2	2	2	2	4
25		2	2	2	2	2	3	3	3	3	3	3	3	3	3	4	5	6	6	6	5	5	5	5	3	4
26		3	3	3	3	3	3	3	3	3	3	3	4	5	3	3	3	3	4	4	5	6	6	4	3	4
27		2	2	2	1	1	1	1	2	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2
28		2	2	2	2	2	3	3	3	3	3	3	3	4	4	4	5	4	4	4	5	4	3	2	2	3
29		2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2
30		2	2	2	2	2	3	3	3	4	****	8	6	5	6	6	5	5	5	4	5	4	4	3	3	4
31		3	3	3	3	2	2	3	3	4	4	4	5	5	4	4	5	4	4	5	6	6	5	4	4	4
MEAN		3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3.7

PERCENTAGE OF DATA VALID - 98.8 PERCENTAGE OF DATA INVALID - 1.2 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION										
		STATION - C NO 31105					HYDRO 55 SHERBOURNE/WILTON					ST. TORONTO				MONTH - SEP 78										
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		4	4	4	3	3	2	3	3	4	4	8	7	6	5	5	6	7	7	8	9	7	7	6	6	5
2		5	5	5	4	4	4	5	5	5	4	4	5	3	3	4	4	3	2	4	4	6	6	6	5	4
3		5	5	4	2	3	3	2	3	4	4	4	4	4	3	4	4	3	2	2	2	1	2	2	2	3
4		2	2	1	1	2	2	2	3	2	2	2	2	2	2	3	2	3	2	3	5	5	3	4	4	3
5		3	3	3	4	4	4	5	5	5	6	5	3	2	2	3	3	5	5	4	3	4	4	2	1	3
6		3	3	1	2	2	2	3	3	2	2	2	2	2	3	3	3	3	2	2	2	1	2	2	2	2
7		1	1	1	1	2	2	3	3	2	2	2	2	2	3	3	3	3	3	4	4	4	3	3	3	3
8		2	1	1	1	1	2	3	3	4	3	3	3	2	3	3	3	3	3	4	4	4	3	3	3	3
9		3	3	3	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	2	2	3
10		2	1	1	1	1	1	2	2	2	2	2	2	3	3	2	2	2	3	3	4	4	4	4	4	2
11		4	4	3	3	2	3	4	5	8	5	6	8	7	6	9	9	8	8	7	5	5	6	5	5	6
12		3	4	3	2	1	1	2	1	2	2	2	2	3	3	3	3	3	3	2	2	2	2	2	1	2
13		2	2	2	2	2	2	3	2	2	3	2	2	2	3	3	4	4	4	4	3	3	3	3	2	3
14		2	2	2	2	2	2	3	4	4	4	4	4	4	4	4	4	4	4	5	5	4	5	6	4	4
15		3	3	3	3	3	3	4	4	5	5	4	4	4	4	4	4	4	5	5	4	5	5	6	4	4
16		4	4	3	3	3	3	4	4	4	3	3	3	3	3	3	2	2	2	3	3	3	3	3	3	3
17		3	3	3	3	3	2	3	2	2	2	2	3	3	3	3	2	2	2	2	3	3	3	3	3	3
18		2	1	1	1	2	3	4	4	4	3	3	3	4	3	4	4	3	3	2	3	3	4	5	5	3
19		4	3	2	3	4	5	6	8	***	***	***	***	4	5	4	4	5	5	4	4	4	3	4	4	4
20		3	2	3	3	4	4	4	3	3	3	3	3	4	5	5	6	4	6	4	5	6	5	6	6	4
21		6	7	6	5	5	6	8	8	9	5	4	4	4	3	3	3	3	2	3	2	2	3	3	2	4
22		2	2	1	1	1	2	2	3	2	3	3	3	4	***	3	3	3	3	3	3	3	3	3	3	3
23		3	3	3	2	2	3	3	3	5	3	3	3	3	3	3	3	4	5	3	4	3	3	3	3	3
24		4	4	4	3	3	3	3	4	6	5	4	5	4	3	3	4	3	3	5	8	6	6	4	3	4
25		3	2	2	3	2	3	3	3	2	2	2	2	***	3	3	3	3	3	3	3	3	3	3	4	3
26		4	3	3	3	3	5	6	4	4	4	4	5	4	5	5	4	3	3	3	3	3	3	3	2	4
27		2	3	5	3	4	4	4	5	4	4	4	4	4	4	4	5	4	4	5	4	3	2	2	4	3
28		2	2	1	2	3	3	4	4	3	3	3	3	3	3	3	3	2	2	3	3	3	3	3	3	3
29		4	4	4	4	5	6	9	9	6	3	4	3	3	***	4	4	3	2	2	2	2	2	2	2	4
30		2	2	1	1	1	2	3	2	2	2	1	2	2	2	2	2	2	2	3	2	2	1	1	1	2
MEAN		3	3	3	2	3	3	4	4	4	3	3	4	4	4	4	4	4	4	4	4	3	3	3	3	3.4

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO															MONTH - OCT 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	2	1	2	2	1	1	1	2	1	1	1	2	1	2	2	2	2	2	3	2	2
2	2	2	1	2	2	3	4	5	3	3	3	3	3	4	4	4	4	4	5	4	4	4	3	3	
3	3	3	2	3	3	3	3	3	3	3	3	4	4	4	5	5	4	4	4	3	4	3	3	3	
4	3	2	3	2	2	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	2	4	3	
5	3	3	2	2	2	2	2	2	2	2	2	2	3	4	4	4	4	5	4	3	3	2	2	3	
6	2	3	2	1	2	3	3	2	2	2	2	2	3	4	3	3	3	3	3	3	3	3	3	3	
7	2	2	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	
8	3	3	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	2	
9	3	3	2	2	3	4	3	4	4	4	3	3	3	3	3	3	4	5	5	5	5	6	5	4	
10	4	4	3	3	3	4	5	6	5	6	5	5	6	7	7	8	8	7	5	5	5	7	7	6	
11	6	5	4	6	5	5	6	7	7	7	7	7	7	6	8	9	7	7	7	6	6	5	4	3	
12	2	2	2	2	2	4	5	4	4	5	5	5	5	5	6	6	7	6	6	4	4	4	4	4	
13	4	4	4	3	3	4	4	4	3	3	3	3	4	4	4	4	4	4	4	3	3	4	4	4	
14	3	3	2	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	4	4	3	
15	4	4	3	2	3	2	3	4	3	3	3	2	3	3	2	4	4	3	4	4	5	5	4	4	
16	3	2	3	3	4	3	4	4	4	3	3	4	4	4	5	5	5	5	5	3	4	4	5	5	
17	4	4	4	4	4	4	5	6	6	7	5	4	4	5	4	4	4	4	4	4	4	4	4	4	
18	4	4	4	4	4	4	5	5	5	5	4	3	3	4	3	4	4	4	4	4	3	3	3	3	
19	4	3	3	3	3	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	
20	3	3	3	3	3	4	4	5	5	5	4	3	4	4	4	4	4	4	4	4	4	4	4	4	
21	4	4	4	3	3	3	4	3	3	4	4	4	5	5	5	5	6	7	8	7	8	6	6	6	
22	5	4	2	3	2	2	3	3	4	4	4	4	4	4	4	6	8	8	6	8	7	8	7	5	
23	4	2	3	3	3	3	2	3	3	3	3	3	4	3	3	4	3	3	3	3	3	4	4	3	
24	4	4	4	4	4	4	4	4	4	3	4	4	4	4	4	4	4	5	4	5	5	4	4	4	
25	4	3	3	4	4	6	7	5	5	5	5	4	5	5	6	7	7	7	6	5	4	4	4	5	
26	3	3	3	3	4	5	4	5	6	5	4	4	5	5	4	4	5	4	4	4	4	3	3	4	
27	3	3	2	3	3	3	5	6	5	4	5	5	5	5	4	4	5	4	4	4	4	3	3	3	
28	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	3	3	3	3	3	3	
29	4	4	3	3	3	3	3	2	2	2	2	2	3	2	1	2	2	2	3	3	3	3	3	3	
30	2	1	1	2	2	2	3	3	3	3	3	4	4	4	5	4	4	4	4	3	4	4	4	3	
31	4	4	4	4	3	4	4	5	5	5	6	6	6	6	7	7	4	3	3	3	3	3	3	3	
MEAN	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO															MONTH - NOV 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	3	3	3	3	3	5	5	3	3	4	3	3	4	4	4	4	4	3	4	3	3	3
2	3	3	3	3	3	3	3	3	4	4	5	5	5	5	6	6	9	10	8	7	6	6	10	11	5
3	11	8	10	9	9	11	12	18	24	10	9	8	5	5	7	6	7	7	7	7	8	6	6	5	9
4	6	6	6	6	6	5	6	5	5	7	6	6	8	8	8	8	7	8	8	8	8	6	7	6	5
5	5	6	6	5	5	5	5	5	5	5	4	4	4	3	4	4	4	4	4	4	3	4	3	4	4
6	4	2	3	3	3	2	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	3
7	4	4	3	3	3	3	3	5	7	8	5	6	4	4	4	4	4	3	4	3	3	4	4	3	4
8	4	4	4	3	3	3	3	3	4	4	4	4	5	5	5	5	5	5	5	4	5	4	4	4	4
9	4	3	3	2	2	3	3	4	4	4	4	4	5	5	5	5	5	5	4	5	4	4	4	4	4
10	5	3	4	4	4	3	4	5	4	4	3	3	4	3	4	4	5	5	4	5	4	3	3	3	4
11	3	3	3	3	3	3	4	4	4	4	4	4	5	5	5	5	5	4	4	2	2	2	2	2	4
12	2	2	3	2	2	2	2	2	2	2	3	3	3	2	3	4	3	2	2	3	3	3	3	3	3
13	4	3	3	3	3	3	3	3	3	3	3	3	3	2	3	2	3	3	3	3	3	3	3	3	3
14	4	4	3	3	3	3	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3
15	3	3	2	3	3	2	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
16	5	5	4	4	4	4	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	5	4	4	4
17	4	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	2	3
18	3	3	2	2	2	2	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	3	3	3	3
19	3	3	3	3	2	3	3	3	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3
20	4	3	3	3	2	2	3	3	3	3	3	3	4	3	4	4	3	4	3	3	4	3	3	3	3
21	3	3	6	6	7	9	7	4	4	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4
22	4	3	2	2	2	3	4	4	4	4	4	4	4	4	4	4	4	4	3	4	4	3	4	4	3
23	3	3	3	3	3	3	3	4	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4
24	3	3	3	3	3	3	3	4	4	4	4	4	3	4	3	2	3	2	2	3	3	2	2	2	3
25	3	3	2	2	2	2	2	2	2	2	2	2	3	2	3	3	4	4	4	4	4	4	2	3	3
26	3	3	3	3	3	2	2	2	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	2	3
27	2	2	1	1	1	2	3	3	3	3	3	3	3	3	3	4	4	3	4	4	3	3	3	3	4
28	4	4	4	3	3	4	4	3	3	3	3	3	4	4	4	4	4	4	4	4	3	3	3	3	3
29	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3	3	3	3	3	3
30	3	3	3	3	3	3	2	3	3	3	3	3	3	3	4	3	4	4	4	3	4	3	3	3	3
MEAN	4	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3.8

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31105 HYDRO 55 SHERBOURNE/WILTON ST. TORONTO

MONTH - DEC 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	3	3	3	3	3	3	3	3	4	4	3	3	3	4	4	4	3	3	3	3	3	3
2	3	4	3	3	3	3	3	4	4	3	3	3	3	4	4	5	5	5	6	6	5	3	3	3	4
3	3	4	3	3	3	1	2	1	1	1	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3
4	3	3	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
5	3	3	2	2	2	2	3	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3
6	3	3	3	2	3	2	2	3	3	3	3	3	4	4	4	4	4	4	3	3	3	3	3	3	3
7	3	3	3	3	3	3	4	4	4	3	4	3	4	4	3	3	3	3	3	3	3	3	3	3	3
8	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	5	5	4	4	4	4	4	3	3	4
9	4	3	3	3	3	3	3	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
10	3	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	3	3	3	3	3	3	3	3	2
11	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	4
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13	3	3	3	3	2	3	3	4	4	4	4	4	4	4	3	4	4	4	3	3	2	2	2	2	3
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16	3	3	3	3	3	3	3	3	3	3	4	4	3	3	3	3	4	4	4	4	4	4	3	3	3
17	3	3	3	3	3	1	1	1	1	1	2	1	1	2	2	2	3	3	3	3	3	3	3	3	2
18	3	3	3	4	3	3	3	3	3	3	4	4	3	3	3	3	4	3	3	3	3	3	4	4	3
19	4	4	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	3	4	4	3	3	3	4
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25	3	3	2	2	2	2	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	3	3	3	2
26	2	2	1	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
27	3	3	3	2	2	2	3	3	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
28	3	3	3	3	3	3	4	4	4	4	4	4	4	3	3	5	5	4	4	4	4	4	4	4	4
29	4	4	4	4	5	4	6	6	7	9	11	7	6	5	5	5	5	4	5	4	4	3	4	4	5
30	3	2	2	2	3	2	2	3	3	3	3	3	3	3	4	3	4	4	4	4	4	3	3	3	3
31	3	3	3	3	3	3	4	3	3	3	4	4	3	3	3	3	3	3	3	3	4	3	3	3	3
MEAN	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3	3	3	3.2

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31105 HYDRO 55 SHERBOURNE/WILTON ST. TORONTO

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	3.1	5	7
FEB	28	3.9	5	8
MAR	31	3.5	7	9
APR	28	2.9	4	6
MAY	31	4.1	7	10
JUN	30	3.8	7	11
JUL	31	3.4	6	9
AUG	31	3.7	7	12
SEP	30	3.4	6	9
OCT	31	3.7	6	9
NOV	30	3.8	9	24
DEC	31	3.2	5	11
YEAR	363	3.5	9	24

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31105 HYDRO 55 SHERBOURNE/WILTON ST. TORONTO

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	8	568	149	10	0	0	0	735
FEB	0	236	417	7	0	0	0	660
MAR	43	387	272	32	0	0	0	734
APR	35	452	180	0	0	0	0	667
MAY	25	293	332	84	0	0	0	734
JUN	8	379	286	37	2	0	0	712
JUL	38	407	258	30	0	0	0	733
AUG	25	389	263	55	3	0	0	735
SEP	37	407	238	29	0	0	0	711
OCT	19	331	352	36	0	0	0	738
NOV	3	366	302	38	4	1	1	715
DEC	12	542	184	3	1	0	0	742
YEAR	253	4757	3233	361	10	1	1	8616

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
98.4	0	1.4	2.2	2.8	3.5	4.9	5.9	7.0	7.7	24	3.5

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	4	4	4	4	4	3	3	3	4	4	4	3	3	4	4	4	4	4	4	3	3	3	4	4
2	3	3	3	3	3	3	4	4	4	4	4	4	3	2	2	3	3	3	3	3	3	3	3	3	3
3	2	2	2	2	2	3	3	3	4	4	4	4	4	4	4	4	5	5	4	4	4	4	4	4	4
4	4	3	3	3	3	4	4	4	4	4	4	4	2	3	4	4	4	4	4	4	4	4	4	4	4
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6	4	4	3	3	3	3	4	4	4	4	4	4	4	4	4	4	5	4	5	4	4	4	4	4	4
7	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	4	4	4	4	4	3	3	4
8	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3
9	3	2	2	2	2	3	4	4	4	4	4	4	3	3	4	4	4	4	3	3	3	3	3	3	3
10	3	3	2	2	1	2	3	4	4	4	4	4	4	4	4	4	5	4	4	4	4	4	4	4	4
11	4	4	3	4	3	2	2	3	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
12	- DATA INVALID -																								
13	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
14	4	4	4	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
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17	5	5	5	5	4	4	4	5	5	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	4
18	3	3	3	3	3	3	3	4	4	4	4	4	4	4	5	5	5	5	5	5	4	4	5	5	4
19	4	4	4	4	4	4	5	5	7	7	6	5	5	5	4	4	5	5	5	5	4	4	4	4	5
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21	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	3	4	4	3
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24	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	4	4	5	6	6	6	5	5	5	5
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27	1	1	1	1	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3
28	3	3	3	3	2	2	3	3	3	3	3	3	3	4	4	4	4	4	4	4	3	3	3	3	3
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30	3	3	3	4	3	3	3	4	4	4	4	4	4	3	4	4	4	4	4	4	3	3	3	3	4
31	3	2	2	2	2	3	3	3	3	3	3	4	3	4	4	5	5	5	5	4	4	4	4	4	4
MEAN	3	3	3	3	3	3	3	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	3	3.6

PERCENTAGE OF DATA VALID - 92.7

PERCENTAGE OF DATA INVALID - 7.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 33002		PHARMACY AND 401, SCARBOROUGH												MONTH - FEB 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	3	3	2	2	3	3	4	4	4	3	3	3	3	3	3	4	4	4	4	4	4	4	4	3
2	3	3	3	3	3	4	4	4	5	5	4	4	5	6	6	6	5	5	5	5	5	4	4	4	4
3	4	4	3	3	3	3	3	4	4	5	5	4	4	4	4	4	4	5	3	4	4	4	4	4	4
4	3	3	3	3	3	3	3	4	4	4	4	4	4	4	5	5	5	5	6	6	6	6	6	6	4
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6	3	3	3	2	2	2	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	4
7	3	3	2	2	2	2	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	3	4	3
8	3	3	3	3	3	3	3	4	4	4	4	4	4	4	5	5	5	6	5	5	5	5	5	4	4
9	4	4	4	4	4	4	4	5	6	6	5	5	5	4	5	5	6	6	7	7	6	6	6	5	5
10	4	4	4	4	4	4	4	4	5	5	4	4	5	5	4	4	5	5	4	4	4	4	4	5	4
11	5	4	4	5	5	4	4	4	4	4	4	4	4	4	4	4	5	5	4	4	4	4	4	4	4
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21	5	5	5	5	5	5	6	6	6	6	5	5	5	6	6	5	5	5	5	4	4	4	4	4	5
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23	2	2	2	2	2	2	3	4	4	5	5	5	4	4	5	6	6	6	6	5	5	4	4	4	4
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26	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	4	3
27	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	5	5	4	4	4	4	4	4
28	4	4	4	4	4	4	4	5	5	5	5	5	4	3	5	5	5	5	4	4	5	5	6	7	5
MEAN	4	4	4	3	3	3	4	4	4	4	4	4	4	4	4	4	4	5	4	4	4	4	4	4	4.0

PERCENTAGE OF DATA VALID - 99.4 PERCENTAGE OF DATA INVALID - 0.6 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
2. \*\* INDICATES DATA IS UNAVAILABLE
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 33002		PHARMACY AND 401, SCARBOROUGH												MONTH - MAR 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	7	7	6	5	5	5	6	6	6	6	6	6	6	7	7	7	7	6	5	5	5	4	4	4	6
2	4	4	4	4	4	4	4	5	5	4	4	4	4	4	4	4	5	5	5	4	5	5	6	5	4
3	5	5	5	4	4	4	5	5	5	5	4	4	5	5	5	5	5	5	5	6	5	5	5	5	5
4	5	5	5	4	4	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	3	3	4
5	4	4	4	3	3	3	3	3	3	3	3	3	4	3	4	4	4	4	3	3	3	3	4	4	3
6	4	4	5	5	5	5	6	5	6	6	6	6	6	6	6	6	5	6	5	5	5	5	5	5	5
7	5	5	4	4	4	4	5	5	6	6	5	5	5	5	5	5	5	5	5	5	5	4	4	4	5
8	4	4	4	4	4	4	4	5	5	4	3	2	1	2	3	4	5	6	4	5	6	6	6	7	4
9	7	7	6	6	6	7	7	8	8	8	6	6	6	6	6	6	6	7	7	6	5	6	7	8	7
10	8	7	7	7	7	7	7	8	8	8	7	9	10	10	10	10	6	4	5	7	9	11	11	10	9
11	9	8	8	8	7	7	6	6	7	7	5	5	6	6	6	5	6	6	5	5	6	7	6	6	6
12	7	6	6	6	6	6	7	8	9	8	7	7	7	6	6	6	6	6	5	5	5	5	5	5	6
13	5	5	5	5	5	6	8	7	8	8	5	4	4	4	5	4	4	6	4	3	3	2	3	3	5
14	3	3	2	2	2	2	4	4	4	4	5	4	4	3	3	2	3	3	3	2	4	4	3	4	3
15	4	4	4	3	3	3	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	3	3	3	3
16	4	4	4	4	4	4	4	5	5	4	4	4	3	2	2	2	2	2	2	2	2	3	3	3	3
17	4	4	4	4	3	4	4	3	3	3	2	2	2	2	2	2	2	2	3	3	2	2	2	2	3
18	4	4	4	4	3	3	3	3	3	3	2	2	2	1	1	1	2	4	4	4	4	4	4	4	3
19	2	2	2	1	1	1	1	1	1	1	3	4	3	3	4	4	4	4	4	4	3	3	3	3	2
20	4	4	3	3	4	4	5	5	3	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	2
21	3	3	3	3	3	3	4	5	5	5	7	6	5	5	5	4	5	5	5	5	5	5	5	5	5
22	5	5	4	4	4	4	5	5	5	5	4	4	4	4	4	4	5	5	5	5	4	4	4	4	4
23	4	4	4	3	4	4	4	5	5	5	4	4	4	4	4	4	5	5	5	5	4	4	4	4	4
24	4	3	3	2	3	2	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
25	4	4	4	4	4	4	4	4	4	3	3	3	3	2	2	1	1	1	2	2	2	2	2	1	3
26	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	2	2	2	2	2
27	3	3	3	3	3	3	4	4	5	5	5	5	5	5	5	5	6	6	5	5	5	4	4	4	4
28	4	4	3	2	2	2	3	3	3	3	2	2	3	3	3	3	4	4	4	5	5	5	5	5	5
29	5	5	5	5	4	4	4	4	4	4	4	4	5	4	4	4	5	5	5	5	5	5	5	5	5
30	3	4	4	4	4	4	5	6	6	5	5	5	5	5	5	5	5	5	5	4	4	5	5	5	5
31	4	4	4	4	4	4	4	4	4	5	4	2	3	4	4	3	3	3	2	2	2	2	1	1	3
MEAN	4	4	4	4	4	4	4	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4.2

PERCENTAGE OF DATA VALID - 99.1 PERCENTAGE OF DATA INVALID - 0.9 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
2. \*\* INDICATES DATA IS UNAVAILABLE
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH													MONTH - APR 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	3	3	3	3	3	4	4	4	5	5	4	4	4	4	4	4	4	4	4	4	4	4
2	3	3	3	3	2	2	2	2	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4
3	4	3	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	2	2	2	2	2	2	2	3	2	2	2	2	2	3	4	4	3	3	3	3	3	4	3	2	3
5	3	3	2	2	2	3	4	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
6	4	4	4	3	3	3	3	3	3	2	2	1	1	1	1	2	2	1	1	1	1	1	1	1	2
7	1	1	2	3	3	3	3	4	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
8	3	3	3	2	2	2	2	2	2	3	3	3	3	3	4	4	4	4	4	4	5	4	4	4	3
9	4	4	4	4	3	3	3	3	3	3	4	4	4	5	5	5	5	5	5	5	5	5	5	5	4
10	5	5	4	4	4	4	2	2	2	2	3	2	2	2	2	2	2	2	2	3	2	2	3	2	3
11	2	2	2	2	1	2	3	3	3	4	5	5	6	3	3	2	2	2	2	3	3	3	2	2	3
12	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	3
13	4	2	4	3	2	2	2	3	3	3	3	3	4	4	3	3	3	3	3	4	4	5	5	4	2
14	3	3	2	1	2	3	4	4	4	4	4	4	5	4	4	4	4	4	4	4	4	3	3	3	3
15	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
16	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
17	3	3	3	3	3	4	4	4	4	4	4	4	4	5	4	4	4	4	4	4	5	4	4	4	3
18	4	4	4	4	4	4	4	4	4	4	4	4	4	5	4	4	5	5	5	5	5	4	4	4	4
19	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	2	2	1	1	1	1	3
20	4	4	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	4	4	2
21	3	3	3	3	2	2	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	5	4	4	4
22	4	4	4	4	3	3	3	3	4	4	4	4	4	4	5	5	5	5	5	5	5	5	4	4	4
23	4	4	3	3	3	3	3	3	3	3	4	3	2	2	1	1	2	3	3	5	5	6	6	5	3
24	5	4	4	4	3	3	4	4	4	4	4	3	2	4	5	5	6	5	5	5	4	4	4	4	4
25	3	3	3	3	3	3	4	5	5	5	5	3	1	1	1	1	2	2	2	3	5	5	5	3	3
26	5	4	3	3	3	4	4	4	5	4	4	3	1	1	1	1	1	2	2	3	4	4	4	4	4
27	4	4	4	3	3	3	3	4	4	4	4	4	5	5	5	5	5	5	5	5	4	5	5	4	3
28	4	4	4	3	3	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4
29	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3
30	4	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3	3	4	3	4	3	3	3	3	3
MEAN	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	3	3.3

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH														MONTH - MAY 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	3	3	3	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
3	3	3	3	3	3	4	4	5	5	4	4	4	5	5	5	4	4	4	4	4	4	4	4	4	3
4	4	4	4	4	4	4	5	3	1	1	1	1	1	1	5	4	4	5	5	4	4	4	4	4	4
5	4	4	3	1	1	3	4	4	3	2	2	2	2	3	3	3	3	3	3	3	3	4	4	4	3
6	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	4	3	2	2	2	2
7	4	4	3	3	3	4	4	4	3	2	3	2	1	1	1	1	1	2	4	4	4	4	4	4	4
8	1	1	1	1	1	2	2	2	3	3	3	3	3	3	4	3	5	4	3	2	3	2	2	2	3
9	2	3	3	3	4	5	5	5	5	6	3	3	3	3	3	5	4	3	2	3	3	3	2	2	3
10	3	2	3	3	3	4	5	5	4	4	3	3	3	4	4	5	5	5	5	4	5	4	5	5	5
11	4	4	4	4	4	4	4	4	3	3	3	3	3	2	3	3	3	3	4	6	6	6	6	5	4
12	5	4	4	3	2	3	4	5	5	5	5	5	5	5	5	5	4	4	3	3	2	2	1	1	4
13	2	3	4	4	3	2	1	2	2	2	2	2	3	5	4	2	2	3	5	6	5	4	2	1	3
14	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	2	1	2	1	2	2	1
15	4	4	3	3	4	4	4	4	3	3	3	3	3	3	4	4	4	5	5	5	4	3	5	4	4
16	4	4	4	4	4	4	4	4	3	4	2	2	4	4	4	4	3	3	4	4	4	4	3	3	4
17	3	2	2	2	3	3	3	3	3	3	2	2	2	2	1	1	1	1	1	2	3	3	3	3	4
18	2	2	2	2	2	2	3	3	3	3	3	4	4	4	3	3	2	2	2	2	3	3	3	2	3
19	2	2	2	2	3	3	4	5	7	4	4	4	4	4	5	5	7	7	6	6	6	6	6	6	5
20	6	6	6	6	5	6	7	5	5	8	4	4	4	3	3	5	7	7	7	6	5	4	4	5	6
21	6	3	2	2	3	3	4	4	4	4	4	4	5	5	5	5	5	4	5	4	5	4	4	4	4
22	4	3	4	3	3	3	3	4	5	5	5	5	5	5	5	5	5	4	4	6	6	8	6	5	5
23	5	5	4	4	5	6	7	5	6	5	6	3	3	3	3	3	4	5	5	8	8	3	7	9	5
24	9	8	7	8	8	9	10	11	10	9	6	3	3	3	6	3	4	5	5	8	11	10	9	8	7
25	8	8	7	7	8	9	10	11	10	10	10	10	10	10	10	9	9	9	9	9	9	9	8	8	9
26	7	7	7	7	8	10	10	10	10	11	11	10	10	10	10	10	10	10	10	11	12	13	12	13	9
27	10	11	10	9	8	9	10	8	7	5	4	4	2	2	2	2	2	2	3	4	4	4	4	4	5
28	12	11	10	9	8	7	7	6	4	3	3	2	2	2	2	2	2	2	2	3	4	4	5	6	8
29	8	6	6	4	5	6	7	10	8	9	9	5	4	4	5	6	2	2	2	2	5	6	8	5	6
30	8	7	6	7	8	8	6	11	9	3	3	4	3	3	3	2	2	3	3	5	4	4	4	4	5
31	5	7	6	5	5	6	7	6	5	5	4	3	5	7	6	5	5	5	5	5	5	5	5	5	5
MEAN	5	4	4	4	4	5	5	5	5	5	4	4	4	4	4	4	4	4	4	5	5	5	5	5	4.3

PERCENTAGE OF DATA VALID - 98.4

PERCENTAGE OF DATA INVALID - 1.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY ME



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH													MONTH - JUN 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	2	2	2	3	3	3	3	4	4	5	4	3	3	4	4	3	4	3	4	4	4	5	3
2	4	3	3	4	4	5	6	7	8	8	7	6	5	5	6	6	5	5	5	6	6	6	5	5	5
3	3	3	3	4	4	4	4	5	5	6	7	8	6	6	6	6	6	6	6	6	6	5	5	5	5
4	4	4	4	4	4	5	5	5	3	3	2	3	2	2	2	2	2	3	3	6	6	6	6	6	5
5	5	4	4	3	4	5	5	4	4	4	4	4	4	4	4	5	5	4	5	5	6	6	6	6	5
6	4	4	4	4	5	5	6	7	7	9	8	7	3	***	2	2	2	3	4	5	5	5	5	5	5
7	5	5	5	5	5	5	5	5	6	7	8	6	5	5	5	5	5	5	5	5	5	5	5	5	5
8	4	4	4	4	3	3	4	4	4	5	5	5	7	6	5	5	5	5	4	3	3	3	3	3	4
9	3	3	3	3	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	3	4
10	3	3	3	3	3	3	3	3	3	3	2	2	3	3	2	2	2	2	3	6	7	6	6	5	3
11	6	4	3	3	3	5	3	2	3	3	3	2	2	2	2	2	2	2	3	4	5	5	4	3	3
12	2	2	1	2	2	4	4	5	5	3	3	2	4	6	***	3	4	4	6	6	5	4	2	2	4
13	2	2	1	1	2	2	2	2	2	2	3	3	3	3	3	4	5	5	5	5	5	5	4	4	3
14	3	3	3	3	3	4	5	5	5	5	5	5	5	4	4	4	4	4	4	3	3	3	3	3	4
15	3	3	3	3	3	3	4	4	4	4	3	4	4	4	4	5	5	5	5	6	6	5	5	4	4
16	4	4	4	4	4	3	3	4	4	3	3	2	3	3	3	3	3	4	4	5	5	6	5	5	4
17	5	4	4	4	4	4	3	3	3	3	3	3	3	3	3	4	4	4	4	4	5	4	4	4	4
18	4	4	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	3	3	3	3	3	3
19	3	3	3	3	3	2	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	3	3	3
20	3	3	3	3	3	3	3	4	4	4	4	5	6	5	4	4	4	4	3	3	4	4	5	6	4
21	7	6	6	6	5	5	4	5	6	6	6	5	5	***	7	6	5	4	3	3	3	3	3	3	5
22	3	3	3	3	3	3	3	3	3	3	3	3	3	3	5	4	4	4	4	4	4	4	4	4	4
23	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2
24	2	2	2	2	2	2	2	2	2	3	3	3	3	4	3	2	2	2	2	2	3	4	4	4	3
25	4	4	4	4	3	3	4	4	4	4	3	3	3	3	3	2	2	2	2	2	2	3	5	5	3
26	5	4	4	3	3	3	3	3	3	3	3	3	3	3	3	2	2	3	3	3	3	3	3	3	3
27	3	3	3	2	2	2	3	3	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3
28	3	3	2	2	2	3	3	3	3	3	3	3	3	2	2	3	3	3	3	3	3	3	3	3	3
29	3	2	2	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
30	3	3	3	3	3	2	2	2	2	2	3	3	3	4	3	3	3	3	3	3	3	3	3	3	3
MEAN	4	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3.7

PERCENTAGE OF DATA VALID - 99.4

PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH													MONTH - JUL 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	2	2	2	2	2	2	2	2	3	3	2	1	2	2	2	2	2	2	3	4	4	3	2
2	3	3	2	2	2	2	2	2	2	2	1	1	1	1	1	1	2	1	1	2	2	2	3	2	
3	3	3	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	4	4	3	2	2	2	2	
4	3	4	3	2	2	2	2	3	3	3	3	4	3	2	1	1	1	1	2	2	2	3	3	2	
5	3	3	2	3	3	3	4	4	5	5	6	4	3	2	3	2	2	2	2	2	3	3	3	3	
6	3	3	3	3	3	3	4	4	4	4	3	3	2	2	2	2	2	2	3	3	3	3	2	3	
7	2	2	3	3	3	3	4	5	5	5	3	2	2	2	2	2	2	2	2	2	3	3	3	3	
8	3	2	2	2	2	2	2	2	2	2	2	2	2	2	4	4	4	3	3	3	2	2	2	2	
9	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	3	
10	2	2	2	3	3	3	3	3	3	3	4	4	5	5	5	5	5	5	5	5	5	5	5	4	
11	2	2	2	2	2	2	2	3	2	2	3	3	3	***	4	4	4	4	4	4	4	4	4	4	3
12	2	2	2	2	2	3	3	2	***	3	3	4	3	3	3	3	3	2	3	4	5	5	5	5	3
13	4	4	4	4	3	3	4	3	3	3	3	3	3	3	3	3	4	4	4	5	4	6	6	4	
14	5	5	5	4	5	5	5	5	6	6	6	6	6	5	5	6	8	9	6	8	7	7	7	6	
15	3	3	3	3	3	4	5	5	5	5	5	5	5	5	5	5	7	9	8	8	8	7	7	5	
16	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
17	1	2	2	2	2	2	2	2	2	3	3	4	4	4	5	5	4	4	4	4	5	4	4	3	
18	3	3	3	3	3	3	3	3	5	6	6	5	4	4	3	3	3	4	4	5	5	5	5	4	
19	4	3	3	4	4	5	6	7	8	8	8	8	5	5	5	5	6	6	6	7	8	9	10	10	
20	6	5	5	5	4	5	6	7	7	6	6	5	5	4	***	4	5	5	5	6	6	7	7	7	6
21	4	4	3	3	3	3	3	3	3	3	4	4	5	5	5	4	4	6	6	5	5	4	4	4	
22	4	4	4	3	3	4	4	4	4	4	4	4	3	3	3	4	4	6	7	7	6	4	4	4	
23	3	3	3	2	2	2	2	2	2	2	5	4	4	4	4	4	4	4	4	4	4	4	4	4	
24	2	2	2	2	2	3	3	4	3	3	3	2	2	***	1	2	3	2	2	2	2	3	3	2	
25	3	3	3	3	3	3	3	3	3	3	2	3	2	2	3	3	3	2	2	2	2	3	4	3	
26	5	4	3	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	3	
27	2	2	2	2	2	3	3	3	3	3	3	4	4	3	3	3	5	4	5	4	4	4	3	3	
28	2	1	1	1	2	2	2	2	2	2	***	3	3	4	4	4	4	4	4	4	4	4	4	3	
29	2	2	2	2	2	3	3	3	3	3	3	3	4	4	4	5	6	6	6	5	5	5	5	4	
30	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	5	5	5	3	
31	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	5	5	6	6	4	
MEAN	3	3	3	3	3	3	3	3	3	3	4	4	3	3	3	3	4	4	4	4	4	4	4	4	3.4

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH												MONTH - AUG 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	3	3	3	4	5	5	4	3	3	2	2	3	3	4	5	3	4	6	6	6	6	4
2	5	4	4	4	4	4	4	6	6	5	4	3	2	2	2	2	3	4	4	4	3	3	4	3	4
3	2	2	2	2	4	4	4	4	4	4	4	4	4	4	5	5	5	5	4	4	3	4	3	4	4
4	2	2	2	2	2	3	3	2	3	3	3	3	3	4	3	4	4	4	3	4	4	4	4	4	3
5	3	3	3	3	2	2	3	3	4	3	4	3	3	3	3	3	3	3	2	3	3	3	5	5	3
6	4	4	4	4	4	4	4	5	5	6	6	5	3	4	2	2	3	3	3	3	3	6	7	7	4
7	5	5	5	5	5	5	6	6	5	5	5	3	3	3	3	3	3	4	4	5	6	7	8	8	5
8	6	5	4	5	5	5	5	4	4	4	4	4	3	3	3	3	3	3	3	3	2	2	2	2	4
9	2	2	2	2	2	3	3	4	4	4	4	4	3	3	3	3	3	3	3	3	2	3	2	3	3
10	3	2	2	3	3	3	3	3	3	3	3	3	3	2	2	3	3	2	3	3	3	4	3	3	3
11	3	3	3	3	3	3	4	3	3	2	2	2	2	2	2	2	2	2	2	3	4	5	5	4	3
12	4	4	4	4	4	4	4	4	5	5	5	5	4	4	3	3	3	3	4	5	7	6	6	6	4
13	6	6	5	5	5	5	6	6	5	5	4	4	3	3	3	2	2	3	4	5	6	5	5	5	5
14	5	4	4	4	4	4	5	8	8	9	8	5	3	2	2	2	3	3	3	4	4	5	5	6	5
15	5	4	3	3	4	4	4	4	4	3	3	3	3	3	3	3	5	5	5	4	4	3	3	3	4
16																									
17																									
18																									
19																									
20																									
21																									
22																									
23																									
24																									
25																									
26																									
27																									
28																									
29																									
30																									
31																									
MEAN	4	4	3	3	4	4	4	4	5	4	4	4	3	3	3	3	3	3	3	4	4	4	5	5	3.7

PERCENTAGE OF DATA VALID - 48.0 PERCENTAGE OF DATA INVALID - 19.8 PERCENTAGE OF DATA UNAVAILABLE - 32.3

- NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. "--" INDICATES DATA IS UNAVAILABLE  
 3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH												MONTH - SEP 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15	2	2	3	4	4	4	4	4	4	4	3	3	4	4	4	4	6	5	4	4	2	2	2	2	*****
16	3	2	3	3	3	3	3	3	3	3	4	4	4	4	4	4	3	3	3	5	6	4	3	3	2
17	3	2	2	2	2	2	2	2	2	2	3	2	2	2	1	1	2	3	3	3	3	2	2	2	3
18	3	3	3	3	3	4	4	4	3	3	3	3	3	4	4	4	3	3	3	3	4	4	4	3	3
19	4	4	3	3	3	4	5	4	4	4	4	3	3	3	3	****	5	5	5	5	5	4	3	2	2
20	3	2	2	2	3	4	4	4	5	4	5	5	5	4	5	6	6	5	6	8	7	6	6	6	5
21	7	7	7	7	5	5	5	7	4	4	4	4	4	4	3	3	3	3	3	3	3	3	2	2	4
22	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	4	5	4	4	4	4	3	3	3	3
23	3	3	3	3	3	3	3	4	4	3	3	2	2	2	2	3	2	2	4	4	5	5	5	4	3
24	4	4	3	2	2	3	3	4	6	5	5	5	4	6	5	6	8	5	6	8	8	7	7	6	5
25	5	4	3	3	3	4	4	3	3	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3
26	4	3	3	3	3	4	4	5	2	2	4	3	3	3	3	3	4	4	5	4	4	4	4	4	4
27	3	3	4	5	4	4	4	5	5	5	5	4	3	3	3	3	5	5	6	5	4	4	4	4	4
28	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
29	3	3	2	2	2	3	3	4	4	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2
30	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	4	4	6	5	2	2	2	3
MEAN	3	3	3	3	3	3	3	4	3	3	4	3	3	3	3	4	4	4	4	4	4	3	3	3	3.4

PERCENTAGE OF DATA VALID - 53.9 PERCENTAGE OF DATA INVALID - 1.1 PERCENTAGE OF DATA UNAVAILABLE - 45.0

- NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. "--" INDICATES DATA IS UNAVAILABLE  
 3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH														MONTH - OCT 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	2	2	3	3	3	3	3	2	3
2	3	2	2	2	3	3	3	3	2	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	3
3	4	4	3	3	2	2	2	2	1	1	1	2	2	2	2	3	3	2	2	2	2	3	2	2	2
4	3	2	2	1	2	3	3	4	3	3	3	3	3	3	3	3	4	3	3	3	3	3	3	3	3
5	3	3	3	3	2	2	3	3	3	2	2	3	3	3	3	3	3	3	3	2	2	3	3	4	3
6	3	4	2	2	2	2	3	3	3	2	2	3	3	3	3	3	4	4	3	3	2	2	2	2	3
7	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
8	2	2	2	2	2	2	2	2	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
9	3	3	3	2	2	2	3	4	4	4	3	3	3	2	2	2	3	3	4	4	4	4	4	4	3
10	3	3	2	2	2	3	3	4	4	5	5	4	5	7	7	7	4	7	6	5	5	6	6	6	5
11	6	5	5	5	4	4	4	4	5	7	5	4	4	4	4	4	5	6	6	6	5	3	2	2	5
12	1	1	1	1	1	1	2	3	4	3	3	2	2	2	3	4	5	5	5	5	4	4	4	4	3
13	4	4	4	3	3	4	4	3	3	3	3	3	3	3	3	3	4	4	4	3	3	3	3	3	3
14	3	3	3	2	2	2	3	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
15	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	4	4	4	4	4	4	3
16	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	4	5	4	4	4	4	4
17	4	4	4	3	4	4	5	5	4	3	4	5	4	4	4	4	4	4	4	4	4	4	4	4	4
18	4	4	4	4	4	4	4	4	5	5	4	4	4	4	3	3	3	3	3	4	4	3	3	3	3
19	3	3	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
20	3	3	2	3	3	3	3	3	4	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
21	4	4	4	3	3	3	3	3	4	4	4	5	5	4	3	4	4	3	4	4	4	5	5	4	4
22	5	4	3	2	2	2	3	3	3	3	3	3	3	4	3	4	4	4	5	4	4	6	5	5	4
23	3	3	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3
24	3	3	4	4	4	4	4	4	4	5	4	4	4	3	3	3	3	3	4	4	4	3	4	3	4
25	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	5	4	3	4	4	4	3	3	3
26	3	2	2	2	2	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
27	3	2	2	2	2	3	3	3	3	3	3	3	3	4	3	4	4	4	4	4	4	4	3	3	3
28	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	3
29	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2	3	3	3	3	3	3	2
30	3	3	2	1	1	1	2	2	2	2	3	3	3	3	3	3	3	3	3	4	4	4	4	4	3
31	4	4	4	3	3	3	3	4	4	5	6	5	5	4	5	4	4	4	3	3	3	3	3	3	4
MEAN	3	3	3	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	3	3	3	3.2

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																																			
POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION																						
STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH													MONTH - NOV 78																						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN										
1	3	3	3	3	3	3	3	4	4	4	4	4	3	3	4	3	4	4	4	4	4	4	3	3	4										
2	4	3	3	3	3	3	3	3	3	4	4	4	4	4	4	5	5	5	5	5	5	4	4	4	4										
3	5	5	5	4	4	4	4	6	6	6	6	4	5	5	5	5	6	6	6	6	7	7	6	5	5										
4	5	6	6	7	6	6	6	6	7	7	7	8	9	8	8	9	8	8	8	8	8	8	8	7	7										
5	7	6	6	6	5	4	4	3	3	3	4	4	4	4	4	4	5	6	6	5	5	4	4	5	5										
6	4	3	3	2	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3										
7	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	3	3	3	3	3	3	3										
8	3	3	3	3	3	4	4	0	4	4	2	3	3	3	3	3	4	3	4	4	4	4	4	4	3										
9	4	4	3	2	2	2	3	4	3	3	4	4	4	4	4	5	5	5	5	5	5	5	5	5	4										
10	4	4	4	4	4	3	4	4	3	2	2	2	2	2	2	2	4	3	3	3	3	3	3	4	3										
11	4	3	3	3	3	3	3	4	4	4	4	5	5	6	6	5	5	4	4	2	2	1	1	2	4										
12	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	2										
13	3	3	3	3	3	3	3	4	3	3	2	2	2	2	2	2	2	2	3	3	4	3	3	3	3										
14	3	3	3	2	2	2	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3										
15	2	2	2	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	4										
16	4	4	4	3	3	3	4	6	6	5	4	2	1	1	2	2	3	3	3	3	3	3	2	2	2										
17	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3										
18	2	2	2	2	1	1	1	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3										
19	3	3	3	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3										
20	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3										
21	3	3	3	3	3	3	3	4	4	4	3	4	3	3	3	4	3	3	4	5	4	4	4	4	4										
22	3	3	3	3	3	3	4	4	5	5	3	2	1	1	1	2	2	1	1	1	1	1	1	1	2										
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	1										
24	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1										
25	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	3	2	1	1	1	1	1	1	1	1										
26	1	2	2	3	2	3	3	3	2	2	2	2	2	3	2	2	2	2	2	1	1	1	1	1	2										
27	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	3	3	3	3	3	2	2	2	2	2										
28	2	2	2	2	2	2	2	2	3	3	3	3	4	3	3	4	4	3	3	3	3	3	3	2	3										
29	3	2	2	2	2	2	2	3	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	2	2										
30	2	2	2	2	2	1	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3										
MEAN	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3.0										
PERCENTAGE OF DATA VALID - 98.9													PERCENTAGE OF DATA INVALID - 1.1													PERCENTAGE OF DATA UNAVAILABLE - 0.0									

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH													MONTH - DEC 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	2	2	2	2	3	3	3	3	3	3	3	****	4	3	3	3	3	3	3	2	3	3	3
2	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3
3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	***	2	3	2	2	2	2	2	2	2
5	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3
7	3	3	3	3	3	3	2	2	3	3	3	3	3	2	2	***	1	1	2	2	2	2	2	2	2
8	2	3	3	3	3	3	3	4	4	3	3	3	3	3	3	4	4	4	3	3	3	2	2	2	3
9	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2
10	2	2	2	2	2	2	2	3	2	2	2	2	2	3	3	3	3	2	2	3	3	2	2	2	2
11	2	2	2	2	2	2	2	3	3	3	3	3	3	3	***	3	3	3	3	3	3	3	3	3	3
12	3	2	3	2	2	2	2	3	3	3	2	2	3	3	3	3	3	3	3	3	2	2	2	2	3
13	2	2	2	2	2	2	2	3	3	3	3	3	3	***	***	2	2	2	2	2	2	2	2	2	2
14	2	2	2	2	2	2	3	4	3	3	3	2	2	2	2	2	3	3	3	2	2	2	2	2	2
15	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	2
16	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
17	3	3	3	3	2	2	1	1	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	2	3
18	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
19	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3	3	3
20	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	3
21	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3	3	3
22	3	3	2	1	1	1	2	2	3	3	3	2	2	2	3	3	3	3	3	2	2	2	2	2	2
23	2	1	1	1	1	1	1	2	2	2	2	2	3	3	3	3	3	3	4	4	4	4	4	5	3
24	6	5	4	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
25	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	3	2
26	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2
27	2	2	1	1	1	1	1	1	2	1	2	2	2	2	2	***	3	3	3	3	3	3	3	3	2
28	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	5	4	4	4	4	3	3	4
29	3	3	3	3	3	3	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
30	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	2
31	4	4	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	3	2	3	3	3	3	3	3
MEAN	3	3	2	2	2	2	2	2	3	3	2	2	2	2	3	3	3	3	3	3	3	3	3	3	2.5

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	29	3.6	5	7
FEB	28	4.0	5	7
MAR	31	4.2	8	11
APR	30	3.3	4	6
MAY	31	4.3	9	13
JUN	30	3.7	5	9
JUL	31	3.4	6	10
AUG	15	3.7	5	9
SEP	16	3.4	5	8
OCT	31	3.2	5	7
NOV	30	3.0	7	9
DEC	31	2.5	4	6
YEAR	333	3.5	9	13

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	7	295	384	4	0	0	0	690
FEB	0	213	447	8	0	0	0	668
MAR	46	166	465	58	2	0	0	737
APR	69	311	335	0	0	0	0	715
MAY	46	277	299	93	17	0	0	732
JUN	3	344	352	17	0	0	0	716
JUL	20	434	253	32	0	0	0	739
AUG	0	175	172	10	0	0	0	357
SEP	3	228	145	12	0	0	0	388
OCT	16	489	227	4	0	0	0	736
NOV	97	410	184	21	0	0	0	712
DEC	69	629	39	0	0	0	0	737
YEAR	376	3971	3302	259	19	0	0	7927

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
90.5	0	1.3	2.3	2.9	3.6	4.8	5.6	7.0	8.0	13	3.5

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	1	1	1	1	1	1	2	2	3	3	2	2	3	3	2	2	3	3	3	2
2	3	2	2	2	2	2	4	4	5	4	5	4	4	4	4	4	4	4	5	4	4	4	4	4	4
3	3	3	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
4	4	3	3	3	4	4	3	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
5	3	3	3	3	4	4	5	5	4	4	4	4	4	4	4	4	4	4	4	4	5	6	5	4	4
6	3	2	2	1	1	1	2	3	3	3	3	2	3	3	3	2	3	4	4	4	4	3	2	3	3
7	3	2	2	2	2	2	2	3	3	3	3	4	3	3	3	3	3	4	4	4	3	3	3	3	3
8	3	3	3	3	2	2	2	2	2	3	3	3	3	4	4	4	4	4	4	4	4	2	2	2	3
9	2	1	1	1	1	1	3	4	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2
10	2	2	2	1	1	1	2	3	3	3	3	3	3	3	3	3	4	4	4	4	3	3	3	3	3
11	3	3	3	4	3	2	3	3	4	4	4	3	4	4	4	4	4	5	4	4	4	5	5	4	4
12	4	4	3	2	2	3	3	4	4	4	4	4	4	4	5	5	5	5	4	4	4	4	4	4	4
13	4	4	4	4	4	3	4	4	4	3	3	4	3	3	3	3	3	4	3	3	2	2	2	3	3
14	1	1	1	1	1	1	1	1	3	2	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4
15	3	3	3	2	2	2	3	3	4	4	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4
16	4	4	3	3	3	3	4	4	4	4	4	5	4	5	5	5	5	5	5	5	5	5	5	5	4
17	5	5	6	5	5	4	4	4	4	4	4	4	4	4	3	3	4	4	3	3	2	2	2	2	4
18	2	2	1	1	1	2	2	3	4	4	4	4	4	4	5	5	6	5	5	5	5	5	6	7	4
19	5	6	5	5	5	7	7	6	6	8	9	8	5	5	4	5	5	5	5	5	5	4	4	3	6
20	3	2	1	1	1	1	2	3	3	3	3	3	3	3	3	3	4	3	3	3	2	2	2	3	2
21	3	4	3	2	2	2	3	4	4	5	4	5	5	5	5	5	5	6	5	5	5	5	5	5	4
22	5	5	4	5	5	5	5	5	5	4	4	5	5	5	5	5	6	5	6	6	5	5	5	5	5
23	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	5	5	5	5	5
24	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	5	5	5	5	5
25	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	5	5	5	4	4	2	2	2	4
26	2	2	4	3	3	2	2	3	4	3	3	3	3	3	3	3	3	3	3	2	2	2	2	3	3
27	2	2	2	2	2	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3
28	4	3	3	3	2	2	3	4	3	4	4	5	5	5	4	4	4	4	4	4	4	3	3	4	4
29	4	4	3	3	2	2	3	3	3	3	4	4	4	4	4	4	4	4	3	4	4	4	4	4	4
30	4	5	5	4	2	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
31	4	4	3	3	3	4	4	5	4	4	4	5	5	5	6	6	6	6	5	5	4	4	5	5	5
MEAN	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3.7

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH													MONTH - FEB 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	3	2	3	3	4	4	4	4	4	4	5	5	5	5	5	6	5	6	5	5	5	5	5	4
2	5	5	4	4	5	5	5	5	5	4	4	5	6	7	7	8	8	7	7	6	6	5	6	6	6
3	6	5	5	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	4	4	4	4	4	5
4	4	4	4	4	4	3	4	4	4	4	5	5	5	5	4	5	5	5	5	5	6	5	5	5	5
5	5	5	4	4	3	2	2	3	2	2	2	2	2	2	2	2	3	3	4	4	4	3	3	2	3
6	2	2	2	3	2	3	3	4	4	4	3	4	4	4	4	5	5	5	5	5	4	3	3	2	4
7	2	2	1	1	1	2	2	5	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	4	4
8	4	3	3	2	3	4	5	4	5	4	5	5	5	6	6	6	6	6	6	6	5	5	5	5	5
9	5	5	4	3	4	4	5	4	5	5	5	5	5	5	5	6	6	6	6	5	5	5	5	5	5
10	5	5	5	5	5	5	5	5	5	5	6	6	6	5	6	7	8	7	7	6	6	6	6	6	6
11	6	6	5	5	4	4	5	5	5	5	4	5	5	5	5	5	5	5	4	4	4	4	4	4	5
12	5	4	3	2	1	2	2	2	3	3	4	4	4	4	5	4	4	4	4	4	4	4	5	5	4
13	5	4	2	2	1	2	3	3	4	2	1	2	2	2	2	3	4	4	5	4	5	5	4	4	3
14	3	2	1	2	2	4	4	4	4	5	5	5	5	5	4	5	4	4	5	4	4	4	4	4	4
15	4	5	5	5	4	5	4	4	4	3	5	5	5	6	6	6	6	6	6	6	6	7	6	6	5
16	5	5	4	3	3	3	4	5	5	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
17	5	4	4	4	3	2	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4
18	5	5	5	5	4	4	4	4	4	4	3	3	4	4	4	4	4	4	4	3	3	3	3	3	4
19	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
20	3	3	4	4	4	4	3	3	3	4	5	5	5	5	5	5	5	5	5	6	6	6	5	5	5
21	5	4	3	3	4	5	5	5	5	5	5	4	5	5	5	5	5	5	4	4	4	3	3	4	4
22	3	3	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	3	3	4	4	4	3
23	3	2	2	2	3	3	4	4	4	4	5	5	5	5	5	6	6	6	6	6	6	5	5	5	4
24	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	6	5	5	5	4
25	5	5	5	5	5	5	4	3	3	3	3	2	2	2	3	3	3	3	3	3	3	4	4	4	4
26	3	3	4	3	3	2	3	3	3	3	3	3	4	4	4	4	4	4	4	3	3	3	3	3	3
27	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
28	5	5	5	4	4	4	4	4	4	5	5	5	5	5	5	6	5	5	5	6	5	5	5	5	5
MEAN	4	4	4	3	3	3	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	4	4	4	4.2

PERCENTAGE OF DATA VALID - 97.8

PERCENTAGE OF DATA INVALID - 2.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH													MONTH - MAR 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6	7	7	5	4	5	6	6	5	6	6	5	5	***	6	6	6	5	4	4	4	4	4	4	5
2	3	3	3	4	4	3	3	3	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	4
3	5	5	4	4	2	2	3	4	3	2	2	2	3	3	3	3	4	4	4	5	5	5	4	4	4
4	4	4	3	2	2	1	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
5	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	5	5	3
6	5	5	4	4	4	4	5	4	4	5	5	4	4	5	5	5	5	5	5	4	4	5	5	5	5
7	4	3	2	2	2	3	4	4	4	4	4	4	4	4	***	4	4	4	4	4	4	4	4	4	4
8	4	4	4	4	4	5	4	4	4	4	4	4	2	1	1	1	2	2	2	3	5	4	3	4	3
9	4	4	5	5	5	6	5	4	6	6	6	6	8	7	***	8	8	8	7	7	6	7	7	6	6
10	6	6	6	6	6	6	6	6	6	5	3	3	4	3	3	2	3	5	8	8	8	9	8	7	6
11	6	6	6	6	6	7	7	7	7	6	6	6	7	7	7	8	8	8	8	8	8	8	8	8	7
12	8	8	8	6	5	5	4	6	7	5	4	5	5	5	5	5	4	5	4	5	5	5	4	4	5
13	4	4	4	4	4	4	3	3	5	5	4	3	4	***	4	3	3	3	2	2	1	1	2	2	3
14	2	2	1	1	1	1	1	2	2	3	3	3	5	5	4	4	4	4	5	5	4	4	3	3	3
15	2	2	2	1	1	1	2	3	3	3	3	3	5	4	4	4	4	4	4	4	4	3	3	3	3
16	3	3	3	2	2	2	3	3	3	3	2	1	1	1	1	1	1	1	2	2	3	3	3	1	2
17	3	3	3	2	2	2	3	3	3	2	1	1	1	1	1	3	4	5	4	4	4	4	4	4	3
18	4	4	3	2	2	2	3	3	3	3	4	4	3	4	4	4	4	4	4	4	4	3	3	3	3
19	3	3	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	3	3	3	2
20	3	3	3	3	4	4	4	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
21	2	2	2	2	2	3	4	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	3
22	3	3	2	2	2	2	4	4	4	4	4	4	5	5	5	5	4	4	4	4	4	4	4	4	3
23	3	2	2	2	1	2	4	3	3	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3
24	2	1	1	1	1	1	1	1	1	1	2	2	2	3	3	1	1	2	2	3	3	3	3	3	2
25	3	2	2	2	3	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	2	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	3
28	3	2	2	2	2	3	3	3	3	3	3	***	3	3	4	4	4	4	4	4	4	4	4	4	3
29	4	4	3	3	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	3	3	3	3
30	3	3	3	4	4	3	3	3	4	5	6	6	5	5	4	4	5	5	5	5	5	5	4	4	4
31	4	3	3	3	3	3	3	3	4	4	2	2	3	***	3	3	2	2	1	1	1	1	1	1	2
MEAN	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	3.4

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH														MONTH - APR 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	2	2	3	3	4	4	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2
2	2	2	1	1	1	1	1	1	1	2	2	2	2	1	1	2	2	2	2	4	4	3	3	3	2
3	3	1	0	0	0	0	0	1	1	1	0	1	1	....	1	1	1	1	1	1	1	1	1	1	1
4	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	3	3	3	3	3	2	2	2
5	2	1	1	1	1	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	
6	3	3	3	3	3	3	3	2	1	1	1	1	....	1	1	1	1	1	1	1	1	1	1	1	2
7	1	1	1	2	3	2	2	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	3	3	3
8	2	2	2	1	1	1	1	1	2	2	2	2	3	3	3	3	3	3	3	3	4	4	3	3	2
9	4	3	2	2	2	1	1	1	1	2	2	1	2	3	3	3	3	2	2	3	4	3	4	4	2
10	4	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
11	1	1	1	1	1	1	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	3	3	3	3
12	3	2	1	1	1	2	3	3	3	3	3	3	4	....	4	5	4	4	4	4	4	4	4	5	3
13	4	4	5	4	3	3	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	2	2	3	3
14	2	2	2	1	0	0	2	2	2	2	2	2	3	3	3	3	4	4	4	3	4	3	3	3	2
15	3	3	3	2	2	2	2	3	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3
16	3	3	3	2	2	2	2	2	1	2	2	3	3	3	3	4	4	4	4	3	4	3	3	3	3
17	2	1	1	1	1	3	3	3	4	4	4	4	5	4	....	5	5	5	5	5	5	4	3	4	4
18	3	4	3	3	2	2	3	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	....	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
21	2	1	1	1	1	1	2	3	3	3	3	3	3	....	....	4	5	5	4	4	4	4	4	4	3
22	4	3	3	2	2	2	2	3	3	2	3	4	4	4	4	4	4	5	5	5	5	4	4	4	4
23	4	4	2	2	2	3	3	1	1	1	1	1	2	2	2	3	3	4	5	6	6	7	8	7	3
24	6	5	5	4	3	3	4	4	3	1	2	4	3	3	3	3	6	6	6	7	7	6	5	6	4
25	4	4	4	4	3	2	3	4	3	2	0	1	0	0	1	1	1	1	1	1	3	5	5	7	3
26	5	4	4	4	4	3	2	4	2	2	1	1	0	0	1	1	1	2	1	6	7	6	7	7	3
27	6	5	4	2	2	3	4	4	4	1	1	1	2	2	....	4	5	6	5	5	5	5	4	4	4
28	3	2	1	1	1	2	4	6	5	4	4	2	2	3	4	5	5	6	6	7	8	8	7	7	4
29	7	6	6	5	4	3	2	2	3	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	4
30	2	2	2	2	1	1	1	1	1	1	2	2	2	2	3	3	3	3	3	4	4	4	4	2	2
MEAN	3	3	2	2	2	2	2	3	2	2	2	2	2	2	3	3	3	3	3	4	4	4	3	3	2.7

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH													MONTH - MAY 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	2	2	1	1	2	4	4	4	3	3	2	2	3	3	3	4	3	4	4	4	4	4	3	3
2	2	2	2	1	2	4	6	5	4	3	4	3	3	4	4	5	5	4	4	4	4	4	5	3	4
3	2	2	1	1	2	3	5	5	4	4	4	4	4	4	5	6	6	4	5	6	6	5	5	4	4
4	3	2	1	1	2	4	5	3	1	0	0	0	0	1	1	1	1	1	1	1	2	3	4	1	2
5	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	4	6	6	7	8	7	5	5	3
7	5	5	4	3	3	3	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2
8	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	3	2	1	1	2	4	3	2
9	3	3	3	2	2	3	5	5	6	6	5	5	4	5	4	5	5	5	5	4	5	5	3	2	4
10	1	1	1	1	2	3	5	6	5	4	3	3	4	3	4	4	5	4	4	4	5	5	6	6	4
11	6	5	4	4	5	5	5	4	4	4	2	2	2	2	2	3	3	3	3	4	3	4	6	6	4
12	6	5	4	2	2	3	5	5	3	4	3	3	3	3	3	5	4	4	4	2	2	2	1	1	3
13	1	1	1	2	2	1	1	1	1	1	1	1	1	1	3	2	1	1	5	6	6	5	2	1	2
14	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	0	1	1	1	1	1	1
15	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2	3	3	3	2	1	1	1	1
16	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	4	6	6	4	3	2
17	2	2	1	1	2	2	3	2	3	2	1	1	1	1	1	1	1	1	1	2	2	3	5	5	2
18	4	3	3	3	3	5	6	5	4	4	5	5	9	11	11	10	8	7	8	8	9	11	12	9	7
19	6	6	6	6	8	11	10	11	15	11	10	10	7	6	6	6	8	4	7	8	8	9	9	7	8
20	6	6	3	4	5	5	7	6	7	7	6	5	6	5	5	6	4	6	5	4	4	5	5	5	5
21	2	1	0	0	0	1	1	1	1	1	1	1	2	2	2	3	3	3	4	4	4	5	5	5	2
22	4	4	4	3	3	4	3	3	2	3	3	3	3	3	3	4	4	5	7	7	8	11	7	4	4
23	4	4	4	4	5	8	4	3	2	1	1	1	1	1	2	2	3	3	4	5	7	4	8	9	10
24	9	7	7	7	8	7	7	7	4	3	1	1	1	1	1	1	2	2	4	8	11	11	9	7	5
25	5	4	4	4	7	10	10	7	6	6	5	4	4	4	5	6	6	7	7	8	7	6	7	5	6
26	5	3	3	2	7	8	9	7	6	6	5	5	4	5	7	8	7	7	10	12	13	15	15	15	8
27	12	13	13	12	10	8	7	6	5	4	2	2	1	2	3	2	3	3	2	3	3	5	5	7	6
28	7	12	11	8	6	5	4	4	3	3	3	3	3	3	2	2	3	2	1	2	2	4	8	6	4
29	3	3	4	4	6	7	9	10	12	14	12	8	6	5	5	4	3	3	2	4	4	6	3	5	6
30	9	8	6	4	5	5	3	5	4	4	3	3	3	3	2	2	2	2	3	3	5	4	3	3	4
31	4	4	5	3	4	7	9	***	5	6	6	5	5	4	4	4	3	3	3	3	4	3	3	2	4
MEAN	4	4	3	3	3	4	5	4	4	4	3	3	3	3	3	3	4	4	4	5	5	5	5	4	3.8

PERCENTAGE OF DATA VALID - 98.7

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH

MONTH - JUN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	1	2	2	4	3	3	3	3	3	3	2	2	3	2	2	2	2	2	2	2	3	2
2	3	3	3	3	4	6	8	9	10	***	10	5	5	5	6	6	5	5	5	5	5	6	5	4	6
3	3	2	2	1	2	2	3	4	4	4	4	4	4	4	4	5	5	4	4	4	4	5	6	4	4
4	6	5	4	4	4	4	4	3	3	2	2	3	3	3	3	3	4	5	5	5	5	6	7	6	4
5	3	4	4	2	3	4	5	5	4	3	3	3	3	3	3	4	5	5	5	5	5	6	7	8	6
6	6	7	6	6	6	8	9	9	9	8	6	5	4	4	4	5	5	5	5	5	6	7	7	8	4
7	6	6	5	4	4	5	5	5	4	5	5	3	3	3	2	3	3	4	4	5	4	4	4	4	4
8	3	3	2	2	3	3	2	2	4	3	3	2	3	3	3	3	2	2	2	3	2	3	1	1	2
9	1	1	1	1	0	1	1	1	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	1	2
10	2	1	1	1	1	1	2	2	1	2	2	1	2	2	1	0	0	0	1	1	2	3	3	2	1
11	2	1	1	1	1	1	1	1	2	1	2	2	2	1	1	1	1	1	3	2	2	3	2	1	2
12	1	0	0	0	1	1	2	2	2	1	1	1	1	1	2	2	2	3	3	2	2	1	1	1	1
13	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	2	2	3	2	2	1
14	1	1	1	1	1	1	3	2	2	3	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2
15	2	2	1	1	1	2	3	2	2	2	2	2	3	3	3	4	4	3	4	4	4	5	4	4	3
16	5	3	3	4	4	3	3	3	3	2	1	1	2	1	1	1	1	1	1	1	1	2	2	3	2
17	3	3	3	4	3	2	1	1	2	3	2	2	2	2	2	2	1	1	1	1	3	2	1	1	2
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	2	2	1	3	2	3	4	2	1	1	1	1	1	1	2	3	4	3	2	3	3	3	2	3
20	4	3	3	2	2	3	4	2	2	2	2	2	2	2	1	1	1	1	0	1	1	1	1	1	2
21	2	2	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1
22	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	1	2	1	2	3	3	3	1
23	1	1	0	0	0	1	1	1	1	1	1	0	1	1	1	2	3	2	2	3	2	3	1	2	1
24	1	1	2	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	1	2	1
25	3	2	3	3	1	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	1	2	2	2	5	3	3	2
27	2	3	1	1	1	1	1	2	3	4	5	2	1	1	1	1	1	2	2	2	2	2	2	2	2
28	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1
30	1	1	0	0	0	0	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
MEAN	2	2	2	2	2	2	3	2	3	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	2.2

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH

MONTH - JUL 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	0	1	1	0	0	0	0	1	0	1	1	1	1	1	1	4	2	1	1	1	1
2	1	1	2	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
3	1	1	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0
5	1	1	1	1	1	1	1	1	1	2	1	1	2	1	1	1	1	1	1	1	2	2	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	1
7	1	1	1	1	1	2	2	2	2	2	1	2	2	1	1	1	1	1	1	3	3	1	1	1	2
8	0	0	0	0	0	0	1	1	1	2	1	1	1	1	1	1	1	1	0	1	1	2	1	1	1
9	0	1	1	0	0	0	0	0	0	0	0	1	1	3	0	1	1	0	1	1	1	5	2	2	1
10	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1
12	2	2	2	2	2	2	1	3	3	2	3	3	3	2	2	2	2	3	2	3	5	3	3	2	2
13	3	3	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	3	2	4	3	4	4	4	3
14	2	1	1	1	2	3	3	3	3	4	5	***	4	4	3	2	1	1	1	2	3	2	2	2	2
15	3	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	3	1	2	1	2	2	2	2
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	2	2	1	1	1	1
17	1	1	1	1	1	2	1	1	1	2	2	2	2	2	2	3	2	2	3	4	3	2	2	2	2
18	2	2	2	2	1	1	1	2	3	3	5	4	4	3	3	4	4	2	2	2	2	3	3	3	3
19	2	2	2	2	2	3	4	5	4	4	4	3	2	2	2	2	3	3	3	3	4	4	4	4	3
20	3	2	2	2	2	4	6	4	3	4	4	3	3	2	2	2	2	2	4	5	3	3	3	2	3
21	2	2	1	1	1	2	2	2	1	2	1	2	4	5	4	4	3	3	3	4	4	2	2	2	2
22	2	2	1	2	2	2	2	1	2	1	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1
24	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
25	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	1
26	2	2	1	1	1	2	2	2	2	2	2	2	2	2	1	2	2	2	3	2	1	2	2	2	2
27	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	2	1	1	1	1	1	2
28	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	0	0	1	1	1	0	0	0	1
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
MEAN	1	1	1	1	1	1	1	1	1	2	2	1	2	1	1	1	1	1	1	2	2	2	2	2	1.4

PERCENTAGE OF DATA VALID - 98.7

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION												
		STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH												MONTH - AUG 78												
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	0	0	0	1	1	1	1	0	0	0	0
3	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0
4	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0
5	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0
6	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0
7	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0
8	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0
9	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0
10	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0
11	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0
12	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0
13	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0
14	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0
15	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0
16	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0
17	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0
18	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0
19	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0
20	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0
21	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0
22	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0
23	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0
24	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0
25	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0
26	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0
27	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0
28	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0
29	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0
30	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0
31	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0
MEAN		4	3	3	3	3	3	4	4	4	4	3	3	3	3	3	3	3	3	4	5	4	4	4	4	3.6

PERCENTAGE OF DATA VALID - 92.9 PERCENTAGE OF DATA INVALID - 7.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION												
		STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH												MONTH - SEP 78												
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	4	3	3	3	3	3	3	3	3	3	4	5	6	6	6	6	6	6	6	6	6	6	6	6	5
2	1	6	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
3	1	6	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
4	1	6	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
5	1	6	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
6	1	6	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
7	1	6	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
8	1	6	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
9	1	6	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
10	1	6	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
11	1	6	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
12	1	6	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
13	1	6	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
14	1	6	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
15	1	6	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
16	1	6	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
17	1	6	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
18	1	6	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
19	1	6	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
20	1	6	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
21	1	6	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
22	1	6	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
23	1	6	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
24	1	6	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
25	1	6	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
26	1	6	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
27	1	6	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
28	1	6	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
29	1	6	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
30	1	6	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
MEAN		3	3	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	3	3	3	3.0

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH														MONTH - OCT 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
2	2	2	2	2	3	3	3	3	3	3	3	2	2	3	4	5	5	5	5	4	5	5	4	4	3
3	4	3	3	2	1	2	2	2	2	1	1	2	2	2	3	2	2	2	2	2	2	2	2	3	2
4	3	2	2	2	3	4	4	5	4	4	4	4	4	4	4	3	4	4	3	4	4	4	4	4	3
5	3	3	3	3	3	3	3	3	3	2	2	3	3	4	3	2	2	2	2	2	2	3	5	4	3
6	3	3	3	2	2	4	4	3	3	3	3	3	4	4	3	4	4	4	4	4	3	2	2	2	3
7	2	1	1	1	1	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
8	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	4	3	3	3	3
9	3	3	3	3	4	3	4	3	4	4	3	3	3	3	3	4	4	5	5	4	4	5	4	4	4
10	3	4	4	3	4	4	4	4	5	4	5	6	6	7	6	8	8	8	6	6	6	6	6	6	5
11	6	6	5	5	4	4	4	4	6	6	5	4	3	4	4	5	4	6	6	5	4	4	3	2	5
12	2	2	2	2	2	4	4	4	4	4	4	4	4	5	5	6	6	6	5	5	5	4	5	4	4
13	4	4	4	4	4	3	4	3	3	3	3	3	3	3	3	4	4	3	3	3	3	2	3	2	3
14	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	3	3	3	3	4	4	3
15	3	3	3	3	3	2	2	2	3	2	2	3	3	3	3	2	2	2	3	4	3	3	4	3	2
16	2	1	1	1	1	2	3	3	3	2	2	2	2	1	1	1	2	3	4	4	5	4	4	3	2
17	3	3	3	3	4	4	4	5	4	3	5	5	5	5	4	4	4	4	5	5	4	4	4	5	4
18	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	3	3	3
19	3	3	2	2	2	3	3	3	3	4	3	3	3	3	3	4	4	4	4	4	4	3	3	3	3
20	3	2	2	2	3	3	3	4	4	5	6	5	4	4	4	4	4	5	4	5	4	5	5	4	4
21	4	4	3	4	4	4	4	4	4	4	5	6	6	6	5	5	6	6	6	6	6	6	5	4	5
22	5	4	4	3	3	3	4	4	3	4	4	5	5	5	4	6	6	6	6	5	6	6	5	5	5
23	2	1	1	1	2	2	3	2	2	2	2	3	3	3	3	4	4	4	4	4	4	4	4	4	3
24	4	4	4	4	4	4	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
25	4	3	3	3	3	4	4	3	3	3	3	3	3	3	4	4	5	5	5	5	4	4	4	4	4
26	4	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	4	3	3	3	3
27	3	2	2	2	3	3	3	4	4	3	4	4	4	4	4	4	5	5	5	5	5	4	4	4	4
28	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	4	4	3	3	3	3	3	3	3
29	3	3	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	3	3	3	3	3	3	3
30	3	3	2	1	1	1	2	2	2	3	3	2	3	3	3	3	3	4	4	5	5	4	4	4	3
31	4	4	4	4	4	4	4	5	5	6	7	5	5	4	4	5	5	4	4	4	4	4	4	4	5
MEAN	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	3.5

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH														MONTH - NOV 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	4	3	3	3	3	4	4	4	4	3	3	4	4	4	4	5	5	5	5	5	5	5	4	4
2	4	4	4	4	4	4	4	4	5	5	5	6	5	6	6	6	6	6	6	6	6	5	5	6	5
3	5	5	5	5	5	5	6	6	6	5	5	5	5	5	5	3	4	6	6	6	6	6	5	5	5
4	6	6	6	7	7	6	6	6	6	7	8	8	9	10	9	10	10	9	10	9	10	9	9	9	8
5	8	8	7	6	6	5	4	4	4	4	5	5	5	5	5	5	6	7	8	7	8	7	6	5	6
6	5	4	4	4	4	5	6	6	4	4	4	3	3	3	3	4	4	4	4	4	4	4	3	3	4
7	3	3	3	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3	3
8	3	3	3	3	3	4	5	6	6	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4
9	4	4	4	3	3	3	4	4	4	4	4	4	4	5	5	5	6	5	5	5	5	5	5	5	4
10	5	4	4	4	4	4	4	4	4	3	3	3	2	2	2	3	4	4	3	3	3	3	3	3	4
11	3	4	3	3	3	4	4	4	5	4	5	5	6	6	6	6	5	5	4	3	2	2	2	2	4
12	1	2	1	1	1	1	1	1	1	1	1	1	2	2	1	1	2	3	3	3	3	3	2	2	2
13	2	1	1	1	1	1	2	3	3	3	3	2	2	2	2	2	2	2	3	3	4	4	3	3	2
14	3	4	4	3	3	3	4	4	4	4	3	3	3	3	2	3	3	3	3	2	3	3	3	3	3
15	3	2	2	2	2	2	3	4	4	3	3	3	3	3	3	4	4	4	5	5	4	4	5	5	3
16	5	5	4	3	3	3	4	5	5	4	2	1	1	1	1	1	2	4	3	3	2	1	1	1	3
17	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	2
18	2	2	2	2	1	1	1	2	2	3	3	3	3	3	3	3	4	4	4	4	4	3	3	3	3
19	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	2	2
20	2	2	1	1	1	1	1	2	3	3	2	2	2	3	3	2	3	3	3	3	2	2	2	2	2
21	2	2	1	1	1	1	2	3	3	3	3	2	2	2	2	2	2	3	3	3	3	3	3	3	2
22	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	0	0	1	1	1	0	0	1	1	2
23	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	2	3	3	2	2	2	2	2	2	1
24	3	3	3	3	2	2	2	3	3	3	3	3	2	2	2	2	3	3	3	2	2	2	2	2	3
25	2	3	2	2	2	2	2	3	3	3	3	3	3	3	3	4	3	3	3	4	3	3	3	2	3
26	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2	2	2	3	3	2	2	2	2	2	2
27	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	3	2	2
28	3	2	2	2	2	2	3	3	4	4	3	4	4	4	4	5	5	4	3	4	4	4	4	4	3
29	3	3	3	3	3	3	3	4	4	3	3	3	3	3	3	4	3	3	3	3	3	3	3	3	3
30	3	3	3	2	2	2	2	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	3
MEAN	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3	4	4	4	4	4	4	3	3	3	3.3

PERCENTAGE OF DATA VALID - 98.6

PERCENTAGE OF DATA INVALID - 1.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

PERCENTAGE OF DATA VALID - 99.6      PERCENTAGE OF DATA INVALID - 0.4      PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.    "-.-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

## POLLUTANT - NITROGEN DIOXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 33003		LAWRENCE/KENNEDY SCARBOROUGH		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	3.7	6	9
FEB	28	4.2	6	8
MAR	31	3.4	7	9
APR	30	2.7	4	8
MAY	31	3.8	8	15
JUN	30	2.2	6	10
JUL	31	1.4	3	6
AUG	29	3.6	6	12
SEP	26	3.0	6	10
OCT	31	3.5	5	8
NOV	30	3.3	8	10
DEC	31	2.8	3	5
YEAR	359	3.1	8	15

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	33	276	423	6	0	0	0	738
FEB	7	180	459	11	0	0	0	657
MAR	112	281	308	37	0	0	0	738
APR	189	340	167	16	0	0	0	712
MAY	176	208	247	78	20	5	0	734
JUN	311	268	116	17	0	0	0	712
JUL	447	248	39	0	0	0	0	734
AUG	139	220	267	59	6	0	0	691
SEP	113	333	160	25	0	0	0	631
OCT	25	370	336	5	0	0	0	736
NOV	78	373	233	26	0	0	0	710
DEC	55	571	115	0	0	0	0	741
YEAR	1685	3668	2870	280	26	5	0	8534

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
97.4	0	0.4	1.6	2.5	3.4	4.8	5.7	7.2	8.3	15	3.1

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK

MONTH - JUL 78

STATION - C NO 34002	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
HOUR DAY																									
1																									
2																									
3																									
4																									
5																									
6																									
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24																									
25																									
26																									
27	2	1	1	1	1	1	2	3	2	2	2	2	2	2	2	1	3	2	4	3	1	1	1	1	2
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	2	3	3	3	3	3	2
29	3	2	2	2	2	2	2	2	2	1	2	2	2	2	3	3	1	1	1	1	1	0	1	1	2
30	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	2	2	2	1
31	2	2	2	1	1	1	2	2	1	1	1	1	1	1	1	1	2	1	2	3	3	3	3	3	2
MEAN	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1.5

PERCENTAGE OF DATA VALID - 16.0

PERCENTAGE OF DATA INVALID - 84.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION										
		STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK														MONTH - AUG 78										
HOUR DAY		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		2	2	2	2	1	1	2	5	5	3	2	2	1	1	1	1	2	4	3	3	3	4	5	4	3
2		4	3	3	3	1	2	3	6	6	3	3	2	1	1	1	2	2	3	4	4	4	3	2	3	2
3		2	2	2	1	1	2	3	3	3	2	2	2	1	1	1	1	1	2	4	2	2	1	1	1	2
4		1	1	1	0	0	1	2	2	1	0	0	0	2	2	1	1	1	2	3	3	3	3	2	2	1
5		3	3	2	3	2	2	2	3	2	2	2	2	1	1	1	1	1	1	2	3	3	5	5	3	2
6		7	4	4	3	3	3	2	3	3	2	1	1	1	1	2	2	1	2	3	4	4	4	4	3	3
7		3	3	3	4	4	4	4	4	4	2	....	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8		2	1	1	1	1	1	2	3	4	4	3	2	2	2	2	2	2	3	4	2	1	2	2	2	2
9		2	1	1	1	1	1	2	3	4	4	3	2	2	2	2	2	2	3	4	2	1	2	2	2	2
10		2	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	2	2	2	2	3	2	2	2	2
11		2	2	2	2	2	1	2	2	3	2	2	2	1	1	2	2	2	2	3	2	3	3	2	2	2
12		3	3	3	3	2	2	2	3	3	2	1	2	2	2	1	1	2	2	3	3	5	5	5	4	3
13		4	4	4	3	3	3	3	3	3	2	2	2	2	2	2	1	1	2	4	4	5	5	4	3	3
14		3	3	2	2	2	2	2	4	6	8	8	5	3	2	1	2	2	1	2	3	5	5	4	2	3
15		4	4	3	3	3	3	3	3	4	3	2	1	2	1	....	3	2	2	2	2	2	2	1	2	2
16		3	3	2	2	1	1	2	3	3	2	2	2	1	1	1	1	1	1	1	2	2	2	2	1	1
17		1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	3	3	3	3	4	4	2	2
18		1	1	1	1	1	1	1	3	3	3	2	2	2	2	2	2	3	3	3	3	4	4	4	4	2
19		3	3	3	3	2	2	3	3	3	2	3	2	2	2	1	1	1	1	2	2	1	1	1	1	2
20		1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	2	3	2	2	3	1
21		2	2	2	2	2	1	1	2	4	3	2	1	1	1	1	1	1	1	2	4	4	3	3	2	2
22		2	2	2	2	2	3	5	7	5	4	2	2	2	....	3	4	2	3	3	3	5	7	6	6	4
23		6	5	4	4	3	3	3	4	7	6	3	1	1	3	4	4	3	3	3	4	3	4	8	5	4
24		8	7	6	6	3	3	5	8	9	9	6	9	8	5	4	4	3	2	2	2	2	2	2	2	2
25		2	2	2	2	2	2	3	2	2	2	2	2	1	3	2	2	3	3	4	5	6	5	3	2	3
26		2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	
27		2	2	2	2	1	1	2	4	4	4	3	3	2	2	1	....	3	3	3	4	5	2	2	1	1
28		1	1	1	1	1	1	2	4	4	4	3	3	2	2	1	1	1	1	1	2	3	2	2	2	2
29		0	0	0	1	1	3	3	3	3	3	4	3	2	1	1	1	1	1	2	3	3	4	3	3	3
30		2	2	1	1	1	1	1	2	4	5	4	2	3	2	2	3	4	4	5	4	4	4	3	3	3
31		3	3	2	2	2	2	2	2	3	3	2	1	1	1	1	1	2	2	3	4	3	2	2	2	2
MEAN		3	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	3	3	3	3	3	3	2.4

PERCENTAGE OF DATA VALID - 99.5      PERCENTAGE OF DATA INVALID - 0.5      PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2.    \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK															MONTH - SEP 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	1	1	1	1	1	2	3	1	1	3	3	3	3	3	3	3	4	8	7	7	7	5	3
2	5	4	3	3	2	2	2	4	4	3	3	2	2	2	1	1	1	1	3	3	3	4	3	4	3
3	4	3	2	2	2	2	3	3	1	1	1	1	1	1	2	1	1	1	1	1	1	1	2	1	2
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	4	4	5	6	6	4	4	4	3
5	2	2	2	1	1	1	2	3	4	3	3	4	2	2	2	2	2	3	5	6	6	4	1	1	3
6	3	3	3	3	3	4	4	5	6	6	3	1	1	1	1	1	1	1	2	2	1	1	1	1	1
7	1	0	0	0	0	1	2	2	1	1	1	1	1	1	1	1	2	2	3	3	2	2	2	2	2
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	2	2	1	1
9	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	3	3	2	2	2	2
10	1	1	1	0	0	0	0	1	2	1	2	2	2	2	1	1	2	3	3	3	3	2	2	2	2
11	2	2	1	1	1	1	1	2	5	9	8	9	5	4	4	2	2	2	4	5	5	5	4	3	4
12	3	3	2	2	1	1	2	2	2	2	2	1	1	1	1	2	2	2	3	3	2	2	2	1	2
13	1	1	1	1	1	2	2	2	1	1	1	0	0	1	1	2	2	2	3	2	3	3	2	2	2
14	1	1	1	1	1	2	2	2	2	2	2	2	3	4	4	4	5	5	3	3	2	1	1	2	2
15	1	1	2	2	1	2	3	3	3	1	1	0	0	0	0	1	1	1	2	2	2	2	2	1	1
16	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2
18	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	4	4	4	3	2	3	3
19	2	2	2	2	1	2	2	3	3	3	3	3	3	3	2	2	2	4	4	4	4	3	2	3	3
20	2	2	2	2	1	2	2	2	3	3	2	2	2	2	3	3	3	5	6	5	6	5	4	4	3
21	3	3	3	2	2	2	2	3	5	2	2	1	1	1	1	1	1	2	2	2	1	1	2	1	2
22	1	1	1	1	1	1	1	2	1	1	1	1	2	1	1	2	1	2	3	3	2	2	2	2	2
23	1	1	1	1	1	1	1	1	3	2	2	1	1	1	1	1	1	2	3	3	3	2	2	2	2
24	2	2	2	2	1	1	1	2	3	3	3	2	3	2	2	1	1	2	2	3	4	5	6	5	4
25	2	1	1	1	1	2	2	2	1	1	1	0	0	2	2	1	2	2	3	3	3	3	3	3	2
26	2	1	2	2	2	3	2	4	4	4	4	3	2	3	3	3	5	4	5	5	2	1	1	1	3
27	2	2	4	4	3	3	2	4	4	4	4	3	2	3	3	3	5	4	5	5	2	1	1	1	3
28	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	2	2	3	3	2	2	2	3	2
29	2	2	2	2	2	2	2	2	4	5	3	2	3	1	1	2	3	3	3	3	3	2	2	2	2
30	2	2	2	1	1	1	1	1	2	1	1	1	1	1	2	2	3	3	5	6	3	4	2	1	2
MEAN	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	2	2.1

PERCENTAGE OF DATA VALID - 99.2      PERCENTAGE OF DATA INVALID - 0.8      PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2.    \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION													
STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK														MONTH - OCT 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	2	2	2	2	3	2	2	2	2	1	1	1	1	1	1	1	2	1	2	3	3	2	2	2	2		
2	2	2	1	2	1	1	1	2	3	2	1	1	1	2	2	3	3	4	4	3	2	2	2	2	2		
3	1	1	1	1	2	2	2	2	1	1	1	2	2	2	3	3	3	3	3	2	3	3	3	2	2		
4	3	1	1	2	2	3	3	3	3	3	3	3	....	....	2	2	2	2	2	2	2	2	2	2	2		
5	1	1	1	1	1	1	0	1	1	1	1	1	1	2	2	2	2	3	2	3	2	1	1	2	1		
6	3	3	2	1	0	2	2	2	1	1	1	2	2	2	2	2	3	3	2	2	2	1	0	1	2		
7	1	0	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1		
8	1	1	1	1	1	1	1	1	0	0	1	1	1	0	1	1	1	1	1	2	2	2	2	2	1		
9	1	1	1	1	1	0	1	1	2	1	2	1	1	1	2	1	2	2	3	3	3	3	3	2	2		
10	3	2	3	2	2	3	3	3	3	3	2	2	3	3	2	5	7	7	5	4	5	4	4	3	3		
11	3	2	2	2	1	2	2	2	3	4	2	3	....	3	2	3	4	5	5	4	5	3	2	1	3		
12	1	1	1	1	1	2	2	3	2	2	2	2	2	2	2	2	4	5	3	3	3	4	3	3	2		
13	3	4	3	2	2	2	2	2	2	1	1	1	1	1	1	2	2	2	3	3	2	2	2	2	2		
14	2	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1		
15	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	2	3	4	3	4	3	3	3	2		
16	2	1	1	1	1	3	3	2	2	1	1	1	1	1	2	2	2	3	3	3	....	....	....	....	2		
17	DATA INVALID -														4	5	4	5	5	4	5	5	5	5	5	5	5
18	DATA INVALID -														4	5	4	5	5	4	5	5	5	5	5	5	5
19	5	4	2	2	2	2	3	3	4	4	3	2	3	3	4	3	4	5	4	4	4	4	3	2	3		
20	2	2	2	2	1	2	2	2	4	8	5	3	....	4	4	4	3	4	5	5	4	5	5	5	4		
21	5	4	4	4	4	4	4	4	4	4	4	5	5	4	4	4	4	4	4	4	5	8	5	6	5		
22	6	5	4	3	3	3	4	4	3	4	4	4	4	4	3	6	4	4	4	4	4	5	7	6	4		
23	3	1	1	1	1	2	2	2	2	2	2	2	1	1	1	2	3	3	3	3	4	4	4	4	2		
24	4	3	3	3	3	4	4	5	7	5	4	5	3	....	2	3	4	4	4	4	5	4	4	5	4		
25	4	4	4	4	4	5	5	4	4	3	4	4	3	3	4	5	5	6	4	5	5	5	4	5	4		
26	4	3	3	3	3	3	3	3	3	3	2	3	2	2	2	2	3	3	3	3	3	4	4	3			
27	3	2	1	2	2	3	3	4	4	3	3	4	5	4	4	5	5	6	6	5	5	5	5	5	4		
28	4	4	4	4	4	4	4	4	4	3	3	2	2	1	1	1	2	3	4	4	3	3	3	3	3		
29	3	3	2	1	1	2	2	3	2	2	2	2	2	2	2	2	3	3	4	3	3	3	3	3	2		
30	3	3	3	1	1	1	3	4	2	2	3	3	3	3	3	4	4	5	5	4	3	5	5	5	3		
31	5	5	5	5	5	5	5	6	7	7	7	5	2	2	2	2	3	4	3	3	4	4	4	4	4		
MEAN	3	2	2	2	2	2	3	3	3	3	2	2	2	2	2	3	3	4	3	3	3	3	3	3	2.7		

PERCENTAGE OF DATA VALID - 93.7 PERCENTAGE OF DATA INVALID - 6.2 PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK														MONTH - NOV 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	3	3	3	2	2	2	3	4	8	6	2	3	3	3	3	5	5	6	5	5	5	5	5	4
2	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	6	8	7	7	7	6	7	5	5
3	4	3	3	3	3	3	3	4	6	11	5	4	6	3	6	6	9	9	8	7	7	6	6	6	5
4	7	8	9	9	8	7	7	8	8	8	9	9	10	11	10	11	12	11	11	10	9	8	7	7	9
5	6	5	5	5	4	4	4	4	4	5	5	5	5	5	5	6	6	7	10	10	9	8	8	7	6
6	6	6	5	4	5	4	6	7	6	5	3	4	3	3	3	3	3	4	4	3	4	4	4	4	4
7	3	3	2	2	2	2	3	3	3	2	2	1	1	1	3	2	2	4	3	4	3	3	3	3	2
8	3	3	3	3	2	2	3	3	6	11	4	5	4	3	3	4	4	5	5	5	5	5	6	5	4
9	5	4	5	3	3	4	4	5	4	4	3	3	4	5	5	6	7	6	6	6	7	6	5	6	5
10	4	4	4	3	3	3	3	4	5	4	4	3	4	4	4	5	5	4	4	5	4	4	3	3	4
11	3	3	4	3	3	3	4	5	5	4	4	4	5	5	5	8	6	5	4	2	2	1	2	2	4
12	2	2	1	1	1	1	1	1	1	1	2	2	2	3	3	2	3	4	3	4	4	4	4	3	2
13	3	2	2	2	2	2	3	4	4	4	3	2	3	3	3	2	3	3	3	4	4	4	4	4	3
14	3	4	5	3	3	3	4	4	4	4	4	3	3	2	2	2	3	3	3	3	2	2	3	3	3
15	3	2	2	2	2	2	3	4	4	4	3	3	2	2	3	3	4	5	4	4	4	3	4	4	3
16	5	6	6	6	5	4	4	5	5	6	2	1	2	2	1	3	4	5	6	5	5	4	2	2	4
17	2	2	1	2	2	2	2	3	3	3	3	3	4	3	4	4	4	4	4	3	3	3	3	3	3
18	3	3	2	2	2	2	2	1	2	2	2	2	2	3	2	3	3	4	4	4	3	3	4	4	3
19	4	3	3	2	3	2	3	3	1	1	1	1	1	1	1	1	2	3	2	2	3	2	1	1	2
20	1	1	1	1	1	1	2	3	4	3	2	2	2	2	2	3	3	4	4	3	3	3	3	3	2
21	3	2	2	1	1	2	3	4	4	3	3	3	3	3	3	4	5	4	4	4	5	5	5	5	3
22	5	4	4	4	3	4	4	5	5	1	2	2	2	2	3	3	3	3	3	2	2	3	3	3	3
23	3	3	2	2	2	2	3	3	3	3	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3
24	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	3	2	2	2	1
26	3	3	2	2	2	2	2	2	2	2	1	1	1	1	1	2	2	3	3	3	2	3	2	2	2
27	2	1	1	1	1	1	2	2	3	2	2	2	2	2	2	3	3	2	2	2	3	2	2	2	2
28	2	2	2	2	2	3	3	3	3	3	3	4	4	4	4	4	3	4	3	3	3	3	4	3	3
29	4	3	3	3	3	3	3	3	3	2	3	2	2	3	3	3	3	3	4	3	4	4	3	3	3
30	3	3	3	3	2	2	2	3	3	2	2	2	2	1	2	2	3	4	3	4	3	3	3	4	3
MEAN	4	3	3	3	3	3	3	4	4	4	3	3	3	3	3	4	4	4	4	4	4	4	4	4	3.5

PERCENTAGE OF DATA VALID - 99.0 PERCENTAGE OF DATA INVALID - 1.0 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK														MONTH - DEC 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	4	4	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	3	3	3	3	4
2	2	2	2	2	2	2	3	4	4	3	2	2	2	2	2	2	2	3	4	4	4	4	4	3	3
3	3	3	3	3	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	3	3	3	2	2	2	2	3	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	2
5	2	2	1	1	2	2	2	3	3	3	3	2	3	3	3	3	4	4	4	3	3	3	3	4	3
6	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	2	3	3	3	3	3
7	4	3	3	2	2	3	3	4	3	3	3	3	3	3	3	2	3	2	3	2	2	3	3	3	3
8	3	3	2	2	3	3	3	3	3	3	3	2	2	2	2	2	3	3	3	3	2	2	2	2	2
9	3	2	2	2	1	1	1	2	3	2	1	1	1	1	2	2	2	3	3	2	2	2	2	2	2
10	2	2	1	2	1	2	2	2	1	1	1	1	1	2	2	2	2	2	2	2	3	3	2	3	3
11	3	3	3	3	3	3	3	3	4	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4
12	3	3	3	3	3	3	3	3	3	3	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3
13	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	3	3	3	2	2	2	2	2	2
14	1	1	1	1	1	1	1	3	4	3	3	1	1	2	2	2	3	3	3	3	3	4	4	4	3
15	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	3	3	3	4	4	4	4	4	4	3
16	3	3	3	3	3	4	4	4	4	3	4	4	4	3	3	3	4	4	4	4	4	4	4	4	4
17	4	4	4	3	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	2
18	1	1	1	1	1	2	2	3	4	4	3	3	3	2	2	2	2	3	3	3	3	3	3	3	3
19	3	2	2	2	1	2	2	3	3	2	1	1	1	1	2	2	2	3	3	3	3	3	3	3	3
20	4	3	3	3	3	3	2	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
21	3	3	3	3	2	2	2	2	2	2	1	1	1	1	1	2	3	4	4	4	4	4	4	4	3
22	4	3	2	2	2	3	3	4	4	3	3	3	3	3	3	4	3	4	3	3	4	4	4	4	3
23	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	3	3	4	4	4	4	4	4	4	3
24	4	4	5	5	4	2	3	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3
25	3	3	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	1	2	2	2	2	2
26	1	1	1	1	1	2	2	2	2	2	2	1	2	2	2	2	2	2	3	3	2	2	3	3	2
27	3	2	1	1	1	1	2	3	2	2	2	2	2	2	1	2	2	3	3	3	3	3	3	3	3
28	3	3	3	3	1	1	3	3	3	2	1	1	2	1	2	2	3	3	3	4	4	4	4	4	3
29	3	3	3	3	3	3	3	4	4	4	3	3	3	2	2	2	3	3	3	3	3	2	2	3	3
30	3	3	2	2	3	2	2	3	3	2	2	2	3	2	3	3	4	4	4	4	4	4	4	4	3
31	4	3	3	4	3	2	2	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3
MEAN	3	3	2	2	2	2	2	3	3	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	2.6

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*-\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN				DATA UNAVAILABLE
FEB				DATA UNAVAILABLE
MAR				DATA UNAVAILABLE
APR				DATA UNAVAILABLE
MAY				DATA UNAVAILABLE
JUN				DATA UNAVAILABLE
JUL	5	1.5	2	4
AUG	31	2.4	5	10
SEP	30	2.1	4	9
OCT	29	2.7	5	8
NOV	30	3.5	9	12
DEC	31	2.6	4	5
YEAR	156	2.6	9	12

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	DATA UNAVAILABLE							
FEB	DATA UNAVAILABLE							
MAR	DATA UNAVAILABLE							
APR	DATA UNAVAILABLE							
MAY	DATA UNAVAILABLE							
JUN	DATA UNAVAILABLE							
JUL	64	54	1	0	0	0	0	119
AUG	213	398	110	19	0	0	0	740
SEP	288	343	76	7	0	0	0	714
OCT	164	337	187	9	0	0	0	697
NOV	63	370	232	41	7	0	0	713
DEC	80	551	105	0	0	0	0	736
YEAR	872	2053	711	76	7	0	0	3719

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	FREQUENCY DISTRIBUTION, PERCENT	50	70	90	95	98	99	MAX	ARITH MEAN
84.2	0	0.4	1.2	1.9	2.7	3.9	4.8	6.3	7.6		12	2.6

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34007 BATHURST/WILSON, NORTH YORK

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	1	1	2	3	
2	2	2	2	2	2	2	3	4	4	4	4	3	3	3	3	3	3	3	4	3	3	3	3	3	3	
3	3	3	3	3	3	3	3	4	4	4	3	3	2	2	2	3	4	4	4	4	4	4	4	4	3	
4	4	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
5	3	3	3	3	2	3	3	4	4	5	4	4	5	4	4	4	5	5	5	4	4	5	6	5	4	
6	4	3	2	2	1	2	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
7	4	4	4	3	3	3	3	3	4	4	4	4	4	3	4	4	4	4	4	4	4	3	3	3	4	
8	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3	3	3	2	2	3	
9	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	
10	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	2	2	2	1	1	1	1	1	1	
11	1	2	3	4	3	2	3	4	4	4	3	3	3	3	3	3	3	4	3	3	4	4	4	4	3	
12	4	4	3	3	3	2	3	4	4	4	4	4	4	4	5	5	6	6	6	6	5	5	5	5	4	
13	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	2	2	4	
14	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	
15	2	2	2	2	2	1	2	3	4	4	3	3	2	2	2	2	2	3	3	4	4	3	2	4	3	
16	4	4	3	3	3	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	4	
17	6	5	6	6	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
18	- DATA INVALID -																									
19	- DATA INVALID -																									
20	.....															2	2	2	3	2	2	2	2	2	2	.....
21	2	2	2	2	1	1	1	2	2	3	3	2	3	3	4	4	4	5	5	5	5	6	6	5	3	
22	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	5	5	5	
23	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	7	7	6	6	5	6	
24	6	5	5	5	5	6	6	6	6	6	6	7	7	7	7	6	6	7	7	7	7	6	6	6	6	
25	5	5	5	5	6	5	5	5	5	5	6	5	4	5	5	5	4	4	4	4	4	4	4	3	5	
26	3	3	3	3	3	3	3	3	3	3	4	4	3	3	3	3	3	3	3	3	3	2	2	2	3	
27	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	3	4	3	3	3	3	2	2	
28	2	2	2	2	2	1	2	2	3	2	2	2	2	3	3	3	3	3	3	3	3	2	2	2	2	
29	2	3	3	4	3	3	3	2	3	3	3	2	2	2	2	3	3	3	3	2	2	2	3	3	3	
30	4	4	5	4	3	3	4	4	4	4	4	4	4	3	3	4	4	5	5	5	5	4	4	4	4	
31	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	6	6	6	6	5	4	4	3	3	4	
MEAN	3	3	3	3	3	3	3	3	4	4	4	3	3	3	3	4	4	4	4	4	4	4	3	3	3.5	

PERCENTAGE OF DATA VALID - 89.1

PERCENTAGE OF DATA INVALID - 10.8

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 34007														BATHURST/WILSON, NORTH YORK											
														MONTH - FEB 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	2	2	2	3	3	4	4	4	4	4	5	4	4	3	4	5	5	5	5	4	4	4	4
2	4	4	5	4	4	4	5	5	5	6	6	7	6	6	6	7	8	8	8	7	6	6	5	5	6
3	4	4	4	4	4	5	5	6	6	5	4	4	3	3	3	3	3	3	3	3	3	3	4	4	4
4	4	3	3	3	3	3	3	3	4	3	3	3	3	3	3	3	4	5	5	5	5	5	5	5	4
5	5	5	4	4	4	4	4	4	4	4	3	3	4	4	4	4	4	3	3	3	3	3	3	3	4
6	1	1	1	1	1	1	1	2	3	2	2	2	2	2	2	2	2	3	3	2	2	2	1	1	2
7	1	1	1	0	0	0	0	1	2	3	2	2	2	2	2	2	3	3	4	4	4	3	3	3	2
8	3	3	2	2	2	3	4	4	5	5	4	4	4	3	3	3	4	5	5	5	5	6	6	5	4
9	5	5	5	5	5	3	3	4	5	4	4	4	3	3	3	4	4	6	6	6	6	5	5	5	5
10	5	5	5	5	4	4	5	5	5	5	5	5	4	3	3	5	5	5	6	5	4	4	4	4	5
11	5	4	4	3	3	3	4	5	4	4	3	3	3	3	3	3	3	3	3	2	3	4	4	4	3
12	4	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2
13	4	5	5	3	2	2	2	3	3	3	3	3	3	3	3	4	4	4	4	4	3	3	3	3	3
14	3	3	3	2	2	2	3	3	4	4	3	3	3	3	3	2	2	2	3	4	4	5	5	5	3
15	4	4	4	4	4	4	4	5	5	6	6	6	6	6	6	6	7	7	7	7	7	8	8	8	6
16	7	7	6	6	6	6	6	6	6	6	5	5	5	5	5	6	6	6	6	6	6	6	7	6	5
17	6	5	5	4	4	3	4	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	4
18	6	6	6	6	6	6	5	5	5	5	5	5	5	5	5	2	2	2	4	4	4	4	4	4	3
19	4	4	4	4	4	4	4	4	4	3	2	2	2	2	2	2	2	2	4	4	4	4	4	4	3
20	5	5	5	5	5	5	5	5	6	7	8	7	7	7	7	7	8	7	6	7	7	8	8	7	6
21	6	4	3	4	7	7	6	7	6	6	5	5	3	2	2	2	2	3	4	4	3	3	2	2	4
22	4	3	3	3	2	3	4	4	4	4	3	2	2	2	2	2	3	3	3	3	4	4	4	4	3
23	3	3	2	2	2	3	4	5	5	6	6	5	5	5	5	6	6	6	7	7	6	4	4	4	5
24	5	4	4	4	3	3	4	4	4	4	4	3	3	3	3	3	4	5	6	6	6	6	6	6	4
25	6	6	6	7	7	6	6	5	5	4	4	4	4	3	3	3	3	4	4	4	4	4	4	4	5
26	4	4	4	3	3	2	3	3	3	2	2	2	2	2	2	2	2	2	3	3	3	4	3	3	4
27	4	4	3	4	3	3	3	4	4	3	2	2	2	3	2	2	3	4	4	4	5	5	5	4	4
28	4	5	5	5	4	4	5	5	6	6	6	5	5	5	5	6	6	8	8	7	8	7	7	8	6
MEAN	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	4	4	4.0

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION																			
STATION - C NO 34007															BATHURST/WILSON, NORTH YORK										MONTH - MAR 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN									
1	8	8	8	7	5	4	5	7	7	6	4	3	3	3	3	3	3	4	5	5	5	4	4	4	5									
2	4	3	3	4	3	3	4	4	5	4	3	2	2	2	2	2	2	4	5	6	5	5	6	6	4									
3	6	6	6	6	5	5	5	5	5	5	5	5	5	4	4	4	4	5	4	3	3	3	3	2	4									
4	3	3	3	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	3	3	3	3	3	2									
5	4	4	4	4	3	3	3	3	3	2	1	1	1	1	1	1	2	2	3	4	5	6	6	6	3									
6	7	6	4	3	4	5	6	6	5	5	6	6	4	3	4	2	3	4	4	4	5	5	5	4	5									
7	5	4	3	2	2	2	2	4	4	3	3	2	2	2	2	2	3	3	3	3	3	4	4	4	3									
8	3	3	3	2	2	3	3	4	5	5	5	4	4	5	5	5	6	5	6	6	5	6	6	7	5									
9	7	8	8	9	8	8	7	7	8	8	8	8	8	8	8	8	9	9	8	8	8	8	8	8	8									
10	8	9	8	7	6	6	6	7	7	6	4	4	5	3	4	4	4	13	13	13	12	12	9	6	6									
11	8	8	8	7	6	7	8	8	8	8	8	9	10	10	10	11	11	11	10	11	12	12	11	11	9									
12	11	11	11	10	8	6	5	4	5	4	3	3	3	2	2	2	2	3	4	4	4	4	5	4	5									
13	5	5	5	5	6	6	6	6	7	9	8	7	8	9	9	9	9	9	9	8	8	8	8	7	7									
14	7	7	6	6	7	7	7	8	8	8	8	7	7	7	7	7	7	7	7	7	7	7	7	7	6									
15	2	2	2	1	1	1	2	2	3	3	2	2	2	2	2	3	3	4	4	4	4	4	3	3	3									
16	4	2	2	2	2	2	2	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4									
17	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4									
18	3	3	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3									
19	4	4	3	2	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
20	2	2	2	3	3	4	4	5	5	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	4									
21	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	5	5	4	4	4	4	3	3	2	4									
22	3	3	2	1	2	2	2	4	4	4	3	3	4	5	6	6	5	5	5	4	4	4	4	4	4									
23	3	1	1	1	1	1	3	4	4	3	2	2	2	2	2	2	2	3	3	4	4	4	2	1	2									
24	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	3	3	1	1									
25	2	2	1	2	2	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	3	3									
26	3	3	3	2	1	1	1	1	2	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	3									
27	4	4	3	3	2	1	2	3	3	3	3	2	2	2	3	3	4	4	4	4	4	4	4	4	3									
28	2	2	2	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	4									
29	5	5	4	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	3	3	4	4	4	4	3									
30	4	4	4	4	3	3	3	4	4	5	5	5	4	2	2	2	3	3	4	5	5	5	5	5	4									
31	4	4	3	3	3	3	4	4	4	5	6	6	5	5	6	6	7	7	6	6	6	5	5	5	5									
MEAN	5	4	4	4	3	3	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	4	4.2									

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 34007		BATHURST/WILSON, NORTH YORK												MONTH - APR 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	4	4	4	4	4	4	5	5	4	2	2	2	2	2	2	2	2	2	1	1	1	1	1	3
2	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	4	4	1
3	4	4	3	2	2	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
4	4	3	3	3	3	3	3	3	3	3	3	3	3	4	5	4	4	6	6	5	5	4	4	3	2
5	2	1	1	1	1	1	1	3	3	2	2	2	2	4	4	4	4	4	4	4	4	4	3	4	3
6	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
7	4	4	4	4	3	2	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	1	1	1	2
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	2	2	2	1
9	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	4	4	4	2
10	5	5	5	5	4	4	4	4	4	4	4	4	5	5	5	5	4	4	4	4	4	4	4	4	4
11	4	4	4	4	4	4	4	4	5	5	6	6	5	5	5	2	2	3	4	4	3	2	3	3	4
12	3	2	1	1	1	1	3	4	4	4	4	4	4	5	5	6	6	6	6	6	6	5	3	3	4
13	6	6	4	3	2	2	4	3	3	2	1	2	2	2	2	2	2	2	2	2	3	2	2	2	3
14	2	1	2	2	1	1	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	3	3	2
15	4	4	4	3	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	1	1	2	2	2	2
16	2	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	2
17	1	1	1	1	1	2	2	2	2	2	2	2	3	3	2	4	4	4	4	3	2	2	2	2	2
18	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	5	6	6	6	5	5	5	5	5	4
19	5	5	4	3	3	3	4	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	5
20	4	3	1	1	1	1	1	2	3	3	3	3	2	2	2	3	3	4	3	3	3	3	2	2	2
21	2	2	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2	2	3	3	3	3	3	2
22	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	3	3	3	2
23	4	4	4	2	3	4	4	3	2	4	3	4	5	5	5	5	5	6	6	6	6	6	6	6	4
24	6	6	5	4	4	3	3	4	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	4
25	3	2	1	1	1	2	3	4	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	5
26	5	4	3	2	2	2	3	3	4	5	6	6	7	7	7	7	8	8	8	8	5	4	4	4	5
27	4	4	3	3	2	2	3	3	4	4	2	2	2	2	2	2	2	2	2	2	3	5	5	4	2
28	2	1	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	2
29	4	4	4	3	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	3	3	2	1
30	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	2	1
MEAN	3	3	3	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2.8

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 34007		BATHURST/WILSON, NORTH YORK												MONTH - MAY 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	1	1	1	1	2	2	2	1	2	1	1	1	1	1	2	2	2	2	3	3	2	3	2
2	3	3	2	1	1	3	3	2	1	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2
3	2	2	2	2	2	2	4	4	3	2	2	1	1	1	1	1	1	1	2	2	2	3	4	4	2
4	3	3	4	5	5	5	5	5	5	4	4	4	4	4	5	5	5	5	5	6	5	5	4	4	5
5	4	4	4	3	4	4	5	5	5	5	5	5	5	5	6	6	5	5	5	5	5	5	4	4	5
6	4	4	4	4	3	2	3	3	3	3	4	3	3	3	2	3	4	4	4	4	4	3	3	2	3
7	3	3	3	1	2	4	3	2	2	4	5	5	6	6	6	6	7	7	7	7	7	7	6	6	5
8	6	4	4	4	4	5	5	5	5	5	5	6	6	6	6	6	7	7	6	6	5	5	4	4	5
9	4	4	4	4	4	4	4	4	5	6	6	5	5	5	3	3	4	4	4	4	4	4	4	4	4
10	1	1	1	1	1	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	3	4	4	4	2
11	4	4	4	4	4	5	5	5	5	5	5	6	7	7	8	9	9	9	8	8	8	7	7	7	6
12	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	6	6	6	6	6	5	5	5	5	6
13	5	5	4	4	4	4	5	5	5	5	6	6	6	6	5	5	5	5	6	6	6	5	5	5	5
14	5	4	3	2	1	2	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
15	3	2	2	2	3	4	4	4	4	4	4	4	4	4	4	4	5	5	5	4	4	4	4	4	4
16	4	3	3	3	3	3	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	4	2	1	4
17	1	1	1	1	1	2	3	4	4	3	3	3	4	4	5	5	5	5	5	5	5	4	4	4	3
18	4	3	3	3	3	3	3	3	3	3	3	9	10	10	10	10	8	8	8	7	7	6	5	4	5
19	4	4	4	3	3	4	5	6	8	8	12	13	13	14	13	8	3	3	3	4	6	6	6	6	7
20	5	5	3	3	4	3	4	6	7	8	9	10	10	9	7	6	2	4	6	6	5	5	5	4	6
21	2	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2	1
22	3	2	2	3	2	3	2	2	1	1	1	1	1	1	1	1	4	7	7	7	7	6	5	4	3
23	3	2	2	2	3	4	4	6	6	6	6	6	6	7	9	10	11	11	12	12	11	11	9	8	7
24	7	5	4	4	7	7	7	9	9	9	9	9	11	11	11	12	13	12	11	10	10	8	4	3	8
25	3	3	3	3	3	5	7	6	4	3	2	2	2	2	2	3	2	2	2	2	3	6	7	6	4
26	6	6	6	4	4	5	8	6	3	2	3	2	3	2	6	18	17	12	12	14	15	13	12	11	8
27	10	10	9	8	7	6	7	9	11	12	13	15	15	13	11	10	10	10	10	15	14	13	12	11	10
28	9	8	9	9	8	8	8	8	6	8	8	10	9	9	8	9	9	9	9	9	10	10	9	8	9
29	7	6	6	5	5	5	7	9	9	10	13	12	12	12	10	10	9	9	9	9	10	10	10	10	9
30	9	7	6	3	3	6	8	10	12	14	16	14	14	11	10	10	11	10	10	10	9	9	9	9	10
31	8	8	4	2	4	6	5	5	5	5	6	8	3	3	2	2	2	2	2	1	2	2	1	1	4
MEAN	5	4	4	3	3	4	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	5	5	5.1

PERCENTAGE OF DATA VALID - 98.5 PERCENTAGE OF DATA INVALID - 1.5 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34007 BATHURST/WILSON, NORTH YORK

MONTH - JUN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	2	2	2	2	4	8	9	9	8	8	7	7	7	6	6	5	5	4
2	6	5	5	4	4	5	5	5	6	6	2	3	3	2	3	3	3	2	2	2	3	3	3	1	4
3	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	1
4	3	3	3	3	2	2	2	3	4	4	4	4	5	6	6	6	6	6	6	6	6	6	6	6	5
5	6	5	4	1	1	2	2	2	2	2	1	1	1	1	1	1	2	2	2	2	2	4	4	4	2
6	3	3	3	3	3	3	3	5	5	5	6	6	6	6	6	6	6	5	5	5	6	6	6	5	5
7	5	5	5	5	5	5	5	6	7	8	8	7	***	***	7	7	7	6	6	6	5	6	6	5	6
8	5	5	4	4	4	4	4	4	5	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3
9	2	1	1	1	1	1	2	3	2	2	1	1	2	2	2	2	2	1	1	2	1	1	2	2	2
10	2	2	2	2	2	2	2	3	4	5	4	5	6	6	7	8	7	7	7	7	7	6	6	6	5
11	8	7	7	6	5	4	5	5	6	7	8	8	8	8	8	8	7	7	8	9	10	10	9	8	7
12	6	5	5	5	5	5	6	6	7	7	8	9	8	4	6	9	6	6	6	4	2	1	1	1	5
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1
14	1	1	1	1	1	1	2	3	2	2	1	1	1	2	1	1	1	2	2	1	2	2	3	3	2
15	2	2	1	1	1	2	3	3	3	2	2	1	1	1	2	2	2	2	2	3	4	6	6	6	3
16	6	6	5	5	5	5	5	6	6	6	7	***	8	9	10	10	9	9	8	8	8	7	7	7	7
17	6	6	6	6	5	5	6	6	6	6	6	8	8	8	8	9	10	9	9	9	9	8	7	7	7
18	7	6	6	4	2	3	3	4	4	5	4	3	2	1	1	1	1	1	1	1	2	2	3	3	3
19	2	2	2	2	2	3	3	4	3	3	2	2	2	2	1	1	2	2	2	2	3	4	4	4	2
20	4	4	3	3	3	4	4	5	4	2	2	2	6	15	15	15	14	14	12	12	13	13	11	11	8
21	10	10	8	5	5	6	7	8	8	9	11	11	9	9	3	2	2	2	2	2	2	3	4	3	6
22	3	2	1	1	1	2	3	2	2	2	2	1	1	1	2	2	2	2	2	2	4	5	6	4	2
23	3	2	1	1	1	2	2	2	2	1	1	***	1	1	1	1	1	1	1	1	2	2	2	2	2
24	3	2	2	1	1	2	2	2	2	3	4	3	7	7	7	8	9	8	6	6	6	6	5	5	4
25	5	5	6	6	6	6	6	7	8	8	9	9	8	8	9	10	10	10	9	9	9	9	9	9	8
26	9	8	7	6	6	6	7	8	8	8	7	8	9	10	10	9	8	8	7	7	6	5	6	8	8
27	4	3	3	3	3	4	4	5	6	6	8	10	11	10	10	10	10	10	10	10	10	10	10	10	9
28	1	1	1	1	1	2	2	3	2	1	1	1	1	1	1	1	2	2	2	2	3	3	3	3	2
29	3	3	2	2	1	2	2	3	2	2	1	1	2	1	1	1	2	2	2	2	2	2	2	2	2
30	2	1	1	1	1	1	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2
MEAN	4	4	3	3	3	3	3	4	4	4	4	4	4	5	5	5	5	4	4	4	5	5	5	4	4.0

PERCENTAGE OF DATA VALID - 99.4

PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34007 BATHURST/WILSON, NORTH YORK

MONTH - JUL 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	1	1	2	2	2	3	3	4	4	4	4	4	5	5	5	5	5	5	6	6	5	4
2	4	3	2	1	1	2	3	3	4	4	4	5	5	4	4	4	4	5	5	5	4	4	4	4	4
3	4	4	3	2	2	3	4	4	5	6	7	7	8	8	7	6	6	6	6	6	5	5	6	6	5
4	5	4	4	3	4	5	5	5	5	6	6	6	6	6	6	7	6	6	6	6	6	5	5	4	5
5	4	4	4	4	4	4	4	5	8	11	9	9	11	10	8	8	7	7	9	10	9	9	8	6	7
6	5	5	4	4	4	4	4	5	6	6	9	10	9	9	***	10	10	9	9	8	7	9	6	9	7
7	10	8	6	4	5	5	5	5	6	6	11	12	12	11	10	10	9	9	10	10	10	10	10	10	9
8	1	1	1	1	1	1	1	1	1	1	1	2	6	5	5	5	5	5	4	4	4	4	4	4	3
9	4	3	2	2	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	2	1
11	3	2	2	1	2	2	3	3	3	***	3	6	6	6	7	7	6	6	5	5	6	6	6	5	4
12	5	5	5	5	5	5	5	5	5	6	6	7	7	8	9	9	9	8	5	4	4	6	4	4	6
13	3	2	2	2	1	3	4	3	3	2	6	12	11	***	10	8	8	8	7	6	3	2	3	3	5
14	3	3	3	3	3	3	3	3	4	5	6	6	8	9	9	9	9	4	2	1	1	2	2	2	5
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	3	3	3	3	3	3	3	3	5	5	6	7	***	10	10	10	9	9	9	9	8	6	7	8	8
19	5	5	5	5	5	5	6	7	7	8	9	10	12	12	11	11	9	9	9	8	6	7	7	8	8
20	7	6	5	5	6	8	9	10	10	11	13	15	14	12	12	11	11	11	11	11	5	3	2	2	9
21	3	3	4	4	4	5	4	4	5	5	6	7	8	7	6	5	2	2	2	2	3	3	3	3	4
22	4	3	3	3	3	3	4	3	3	7	8	9	9	9	9	9	7	4	2	4	6	8	8	8	6
23	7	5	3	2	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2
24	2	2	1	2	2	3	3	4	4	5	6	5	4	4	4	4	4	4	4	4	4	3	3	3	4
25	3	3	3	2	2	2	3	3	4	4	5	7	6	8	9	9	9	8	8	8	8	7	6	6	6
26	5	5	5	5	5	5	4	4	5	5	6	5	6	7	8	8	8	8	7	6	1	3	4	5	5
27	4	3	3	3	4	4	4	4	3	3	3	2	3	4	4	5	5	4	5	4	3	2	2	1	3
28	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2	5	6	5	4	4	3	2
29	3	2	3	3	3	2	3	3	4	4	4	4	4	4	3	2	2	2	1	1	1	1	1	1	3
30	1	1	1	1	0	0	1	1	1	1	1	1	1	2	2	3	3	3	3	4	3	3	3	3	2
31	3	2	2	2	2	2	3	3	3	3	3	4	4	***	5	6	6	6	5	5	6	6	5	4	4
MEAN	4	3	3	3	3	3	3	4	4	4	5	6	6	6	6	6	6	5	5	5	4	4	4	4	4.4

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34007 BATHURST/WILSON, NORTH YORK

MONTH - AUG 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	4	4	4	4	4	5	6	7	7	7	7	8	8	9	9	10	10	9	8	9	6	5	7	7
2	7	5	4	4	5	5	6	8	8	8	9	9	***	9	8	8	8	8	9	9	8	7	6	6	7
3	6	4	2	3	2	1	2	3	3	2	2	2	2	2	1	1	1	3	8	4	2	2	1	1	3
4	1	1	1	1	1	2	2	2	2	1	1	1	3	5	5	5	5	4	2	2	3	3	3	3	2
5	3	3	2	2	3	4	4	4	2	1	1	5	5	5	5	6	8	8	8	8	7	7	6	6	5
6	6	6	5	5	5	4	4	4	2	2	3	7	9	9	8	8	9	10	10	10	9	9	9	8	7
7	7	6	6	6	6	3	3	4	7	7	6	5	7	7	7	8	9	10	10	10	9	9	9	8	7
8	7	7	6	6	6	6	6	6	5	4	4	5	6	7	***	7	8	9	9	8	8	7	7	7	7
9	3	2	2	2	3	5	5	5	5	4	4	4	3	3	2	3	4	3	2	2	2	2	2	2	3
10	2	2	2	2	1	2	2	2	2	3	4	4	5	5	5	5	5	5	4	4	4	4	4	3	3
11	4	3	3	2	2	2	2	3	5	5	4	4	4	5	5	6	6	6	5	5	5	5	5	5	4
12	5	4	4	4	4	4	4	4	2	2	3	3	4	10	10	11	10	9	10	10	9	9	8	7	6
13	7	5	5	5	4	5	4	2	2	2	7	9	9	9	10	10	10	10	9	4	4	5	6	5	6
14	5	5	4	4	3	4	5	6	5	6	9	10	10	10	10	12	13	14	12	10	9	8	8	8	8
15	8	8	8	7	6	6	6	7	8	8	7	8	10	11	11	11	8	5	4	6	6	7	6	5	7
16	6	5	5	4	4	4	4	5	5	5	5	5	6	6	7	7	6	5	5	4	2	2	2	1	5
17	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1
18	2	2	2	2	2	2	2	3	4	4	5	***	5	7	7	8	9	10	10	11	6	5	4	4	5
19	4	3	3	3	3	4	4	4	5	6	6	6	7	8	8	8	7	3	2	1	1	1	1	1	4
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1
21	2	2	2	2	2	2	2	2	3	4	5	6	6	7	6	8	6	6	5	5	4	5	5	5	4
22	4	4	3	3	4	4	5	6	8	7	10	8	9	11	12	13	14	13	13	11	11	10	10	10	8
23	8	5	4	3	3	5	6	6	8	10	12	12	12	***	16	17	15	14	13	11	10	10	10	9	10
24	8	8	8	7	8	9	10	10	9	9	7	5	8	7	9	8	5	3	3	3	3	3	3	3	7
25	3	2	2	1	1	1	2	2	3	3	3	2	2	2	1	2	3	3	2	3	3	3	3	3	2
26	3	3	2	2	2	2	2	2	2	1	1	1	1	1	5	8	9	10	10	9	6	3	3	3	4
27	3	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3
28	2	2	2	2	3	3	4	4	4	4	5	4	5	5	5	6	6	6	6	6	2	1	1	1	4
29	1	1	1	1	1	3	3	3	3	4	4	5	4	1	***	1	1	1	1	2	2	2	2	2	2
30	2	2	2	2	2	2	3	4	4	5	4	4	5	5	6	6	6	6	6	5	3	3	2	2	4
31	2	1	1	1	1	2	2	2	3	3	2	2	1	1	1	2	2	2	3	4	4	4	3	4	2
MEAN	4	4	3	3	3	3	4	4	4	4	5	5	5	6	6	7	7	6	6	6	5	5	4	4	4.7

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34007 BATHURST/WILSON, NORTH YORK

MONTH - SEP 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	3	3	2	2	2	3	3	2	2	2	3	2	2	8	9	10	9	9	10	10	9	7	6	5
2	5	4	4	4	4	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
3																									
4																									
5	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
6	5	5	5	5	5	6	6	7	7	8	3	2	2	2	2	3	6	5	7	7	7	3	1	1	5
7	1	1	1	1	1	2	2	2	1	1	1	2	1	2	2	3	3	3	3	3	3	2	2	2	2
8	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3	2	2	3
9	2	2	1	1	1	1	1	1	1	2	2	2	3	2	4	4	4	4	4	4	4	4	3	3	3
10	3	3	2	2	1	2	2	3	3	3	3	3	3	4	4	4	3	4	4	4	4	4	4	3	3
11	3	3	3	2	3	4	3	4	6	6	7	5	11	11	6	5	2	4	2	4	4	4	3	3	5
12	4	3	1	1	1	1	1	1	1	1	2	2	3	***	3	3	3	3	3	3	2	2	2	2	2
13	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	***	4	4	4	4	4	4	4	3	3
14	3	3	3	3	3	4	3	3	4	4	4	4	5	6	6	8	8	7	6	5	4	4	4	3	4
15	3	3	3	1	2	3	4	4	4	2	3	3	2	2	2	2	3	4	5	6	5	4	4	3	2
16	2	2	2	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2
17	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	2	2	2	2	2	2	2
18	2	2	2	2	3	3	3	4	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	3
19	1	1	1	1	1	2	3	3	4	4	4	5	6	6	6	5	6	6	5	5	5	5	5	4	4
20	4	4	4	4	4	4	5	5	6	6	6	6	***	8	10	11	12	12	9	8	7	6	6	6	7
21	7	7	6	6	5	5	5	5	5	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
22	1	1	1	1	1	1	1	1	1	1	2	***	2	2	2	2	2	3	3	3	2	2	2	2	2
23	2	2	2	2	2	2	2	2	3	3	4	4	4	5	5	5	6	6	6	5	5	5	5	4	4
24	4	3	3	3	2	2	2	4	3	5	5	4	4	3	3	2	2	2	3	5	4	4	4	3	3
25	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1
26	2	2	2	2	2	3	4	4	4	4	5	5	6	6	7	8	9	9	8	5	4	3	1	1	5
27	4	4	4	4	4	4	4	4	5	5	5	6	6	7	8	8	9	9	8	5	4	3	1	1	5
28	1	0	0	0	0	1	1	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1
29	2	2	2	2	2	3	4	5	6	6	6	6	6	5	5	6	6	5	4	4	4	4	3	3	4
30	3	3	3	3	3	4	4	4	4	4	4	4	5	6	6	7	7	7	8	7	6	6	6	5	5
MEAN	3	3	2	2	2	3	3	3	3	3	3	3	3	4	4	4	5	5	4	4	4	4	3	3	3.4

PERCENTAGE OF DATA VALID - 88.3

PERCENTAGE OF DATA INVALID - 11.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34007 BATHURST/WILSON, NORTH YORK

MONTH - OCT 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	4	4	3	3	2	2	2	1	1	1	1	1	1	1	1	2	1	1	2	2	2	3	2	2
2	2	2	2	2	2	2	2	2	3	2	2	1	3	2	3	5	6	6	6	6	6	5	5	5	3
3	4	4	4	3	3	3	3	3	3	3	3	3	3	4	5	5	5	5	5	5	4	4	4	3	4
4	3	2	2	4	4	4	5	5	4	3	3	3	4	4	4	4	3	3	3	3	4	3	3	3	3
5	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	5	4	4	3	3	4	3	3	3
6	5	5	3	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	1	1	1	3
7	1	0	1	1	1	1	2	1	1	1	1	1	1	1	1	2	2	1	1	1	2	3	2	2	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	2	2	1
9	2	2	2	2	2	3	2	4	3	3	3	3	4	4	3	2	3	5	6	7	6	5	6	4	3
10	4	4	3	3	4	4	4	4	3	3	3	3	4	3	2	3	5	6	7	6	6	5	6	6	4
11	6	6	5	4	5	5	5	5	5	8	7	6	6	6	6	6	7	7	7	7	7	5	5	5	6
12	4	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	3	4	5	5	5	4	4	4	4
13	4	4	4	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2
14	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2
15	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	4	4	4	4	4	4	3	3	3
16	2	1	2	1	1	3	3	3	3	3	3	3	4	4	5	4	5	5	5	5	4	4	4	3	3
17	3	3	3	3	3	3	3	4	4	5	5	5	5	5	5	5	5	6	6	6	5	5	4	4	4
18	3	4	4	4	3	4	4	4	4	4	4	4	5	4	3	3	3	3	3	3	3	3	4	3	4
19	3	2	2	2	2	2	2	3	3	3	2	2	2	3	3	4	4	4	3	3	3	3	2	1	3
20	2	2	2	2	3	3	3	3	3	3	3	3	4	5	5	5	5	5	5	5	5	5	5	4	4
21	4	4	4	3	3	3	3	4	4	4	6	7	7	7	7	6	7	7	7	7	7	7	6	6	5
22	6	6	5	4	3	3	4	4	4	4	5	6	6	7	8	8	7	7	7	7	7	7	6	4	6
23	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	2	3	3	1	1
24	3	3	3	3	4	4	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
25	4	4	4	3	3	3	4	4	4	4	4	4	4	4	4	5	6	5	5	4	4	4	4	3	4
26	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2
27	2	1	1	1	2	2	2	2	2	2	2	2	1	1	1	2	2	3	3	3	2	2	2	2	2
28	3	3	3	3	3	3	3	2	2	2	2	2	2	3	3	3	3	3	3	3	4	4	4	4	3
29	2	2	2	2	2	2	2	2	2	2	2	2	2	4	4	5	6	6	6	6	5	5	5	5	4
30	4	3	3	3	2	2	2	4	4	4	4	4	4	4	4	5	6	6	6	6	5	5	5	5	4
31	5	5	4	4	4	4	4	6	6	6	6	5	3	3	3	3	2	3	3	2	2	2	2	3	4
MEAN	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	3	3.3

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34007 BATHURST/WILSON, NORTH YORK

MONTH - NOV 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	2	1	1	2	2	3	3	4	4	6	7	5	5	5	5	5	5	5	5	4	4	3	4
2	4	3	3	3	3	3	4	4	4	4	5	4	4	4	3	4	4	5	5	5	5	4	4	4	4
3	4	4	5	4	4	4	5	6	7	8	10	7	9	10	10	11	9	9	9	8	8	8	7	5	7
4	6	6	7	7	7	7	6	7	8	9	9	10	10	9	9	10	10	10	10	9	9	9	9	8	8
5	8	8	7	7	6	6	5	5	5	5	7	7	7	8	8	8	8	9	9	9	9	8	8	7	4
6	6	5	5	4	4	5	5	5	4	3	3	2	2	2	3	3	3	3	3	3	3	3	3	3	4
7	2	2	1	2	1	1	2	2	2	2	2	2	2	1	1	1	2	2	3	3	2	2	3	3	2
8	3	3	2	2	3	3	3	3	4	4	5	4	5	4	4	4	4	4	4	4	4	4	4	4	4
9	4	4	3	3	3	4	4	4	4	4	4	4	4	4	5	5	5	6	6	6	5	5	4	4	4
10	4	4	4	4	4	4	3	4	4	5	4	4	4	4	4	4	4	4	4	4	4	3	3	3	4
11	3	3	3	3	3	3	4	4	4	3	3	4	4	5	5	4	4	4	3	2	1	1	1	1	3
12	1	1	1	1	1	1	1	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	2
13	3	3	2	1	3	3	3	3	4	3	3	3	3	3	3	3	3	3	3	3	4	4	3	4	3
14	4	4	4	4	4	4	4	4	4	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3
15	2	2	2	2	2	2	3	3	3	3	3	2	2	2	2	3	3	4	4	4	4	4	5	5	3
16	5	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	3	3	3	2	2	3
17	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	3	3	3	3	3	3
18	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	3	4	3	3	3	3	2	2
19	3	2	2	2	2	2	2	2	2	1	0	1	1	1	1	1	1	2	2	2	2	2	1	1	2
20	1	1	0	0	0	0	0	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1
21	1	1	1	1	1	1	1	2	3	2	2	2	3	3	3	3	4	4	4	4	4	4	3	3	3
22	3	3	3	3	3	3	3	3	3	4	3	3	4	4	4	4	4	4	4	3	3	3	3	3	3
23	3	3	2	2	2	2	2	2	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3
24	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2
25	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3	3	1	1
26	2	2	2	1	1	1	1	2	2	1	1	1	2	2	2	2	2	2	3	2	2	2	2	2	3
27	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3	3	3	3
28	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3
29	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
30	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	2
MEAN	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	3	3	3.3

PERCENTAGE OF DATA VALID - 99.0

PERCENTAGE OF DATA INVALID - 1.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 34007 BATHURST/WILSON, NORTH YORK													MONTH - DEC 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	3	2	2	3	3	3	3	3	3	4	4	4	4	4	4	3	3	3	3	2	2	3
2	2	2	2	2	1	2	3	3	3	3	3	3	2	2	2	2	2	3	3	3	3	3	3	3	3
3	3	3	3	3	3	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	2
5	3	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	2
6	3	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2
7	3	3	2	2	3	2	3	4	4	4	4	4	3	4	3	3	3	3	3	3	3	3	3	3	3
8	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	3	3	3	3	3	3	2	2	3
9	2	2	2	2	1	1	1	2	3	3	2	2	2	2	2	2	3	3	3	3	3	3	3	3	2
10	2	2	2	1	1	1	1	1	2	2	1	1	1	2	2	2	2	2	3	3	3	3	3	3	2
11	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	5	4	4	4	4	4	3	3
12	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	3	3	3	3	3	3	3
13	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
14	3	2	2	2	2	2	2	3	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3
15	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
16	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	3	3	3	3
17	3	3	3	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	2
18	1	1	1	1	2	1	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2
19	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2	3	3	3	3	3	3	3	3	2
20	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
21	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	3	3	3	3	3	3	3	2
22	3	3	2	2	2	2	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	1	1	1	2
23	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	4	4	4	5	3	3
24	5	5	4	4	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2
25	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2
26	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2	2	2	2	2
27	1	1	1	1	1	1	2	2	3	2	2	2	2	2	2	2	2	3	3	3	3	2	2	2	2
28	3	3	3	2	2	2	3	3	3	3	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3
29	3	3	3	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
30	3	3	3	3	3	3	3	3	2	2	2	2	3	3	3	3	3	3	4	3	3	3	3	3	3
31	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	3	3	3	3	3	3	3	3	3
MEAN	3	2	2	2	2	2	2	3	3	3	3	3	2	2	2	3	3	3	3	3	3	3	3	3	2.6

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34007 BATHURST/WILSON, NORTH YORK

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	27	3.5	6	7
FEB	28	4.0	6	8
MAR	31	4.2	9	13
APR	30	2.8	5	8
MAY	31	5.1	11	18
JUN	30	4.0	8	15
JUL	31	4.4	9	15
AUG	31	4.7	10	17
SEP	26	3.4	7	12
OCT	31	3.3	6	8
NOV	30	3.3	8	11
DEC	31	2.6	3	5
YEAR	357	3.8	11	18

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34007 BATHURST/WILSON, NORTH YORK

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	51	286	316	10	0	0	0	663
FEB	22	230	367	45	0	0	0	664
MAR	61	235	338	85	16	0	0	735
APR	175	281	250	9	0	0	0	715
MAY	59	182	307	135	37	13	0	733
JUN	139	252	184	127	9	5	0	716
JUL	145	182	255	133	21	2	0	738
AUG	84	225	241	163	20	6	0	739
SEP	90	298	201	42	5	0	0	636
OCT	87	333	292	26	0	0	0	738
NOV	75	403	180	54	1	0	0	713
DEC	62	634	42	0	0	0	0	738
YEAR	1050	3541	2973	829	109	26	0	8528

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
97.4	0	0.8	1.9	2.8	3.9	6.4	8.0	9.7	10.9	18	3.8

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	3	2	2	2	1	1	2	2	2	2	3	3	3	3	3	2	1	1	1	1	1	2
2	1	1	1	2	2	1	2	2	2	2	1	2	1	1	1	1	2	2	2	2	2	2	2	2	2
3	2	2	2	2	2	2	2	3	2	2	2	2	2	3	3	3	4	4	4	4	3	3	3	2	3
4	2	2	2	2	2	3	3	4	4	3	3	4	3	3	3	3	4	4	4	4	3	3	4	4	3
5	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	5	6	6	5	4
6	4	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	4	4	3	4	4	4	3	3	3
7	4	3	3	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
8	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	1	3
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1
10	1	1	1	1	1	1	2	2	2	2	2	1	2	2	1	1	1	1	1	1	1	1	1	2	1
11	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	3	2	3	2	2	2
12	2	1	1	1	1	1	1	3	3	3	3	3	3	3	3	3	5	5	5	5	4	4	4	3	3
13	3	3	3	4	4	4	4	4	3	3	4	3	3	3	3	3	3	3	4	3	3	3	2	2	3
14	2	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	2	1	2	2	2	2	1	1	1	1	1	2	2	1	2	2	2	3	2	2
16	2	1	1	1	1	1	2	3	3	3	2	2	1	1	1	2	2	2	3	3	3	3	3	3	2
17	4	4	4	4	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
18	1	1	1	1	1	1	2	2	3	3	2	2	2	2	2	3	4	4	4	4	4	4	4	4	4
19	4	4	4	4	4	4	4	4	4	5	5	4	4	3	3	4	4	4	4	4	4	4	4	4	4
20	3	2	1	1	1	1	2	3	3	3	3	2	2	2	2	2	2	3	3	2	2	2	2	1	2
21	1	1	1	1	1	1	1	1	2	2	1	1	1	2	2	2	3	4	4	4	4	4	4	4	2
22	4	4	4	3	3	3	3	2	3	3	2	2	2	3	3	3	3	3	2	2	2	2	2	3	3
23	3	3	3	3	3	3	3	3	3	3	2	2	2	2	3	3	3	4	5	5	5	5	5	5	3
24	3	4	4	4	3	4	4	4	4	4	4	4	4	4	5	6	6	6	6	6	6	5	5	5	5
25	5	5	5	5	5	5	4	4	4	5	5	4	4	4	5	4	4	4	4	4	4	3	3	3	4
26	2	2	3	3	2	2	2	3	3	1	1	1	1	1	1	1	1	2	1	1	1	1	1	0	2
27	0	0	0	0	0	1	1	1	1	2	2	2	2	1	1	2	2	3	2	2	2	1	2	2	1
28	2	2	2	1	2	1	2	2	3	3	2	1	1	1	1	2	2	3	3	2	2	1	1	1	2
29	1	1	2	1	1	1	1	2	3	2	2	2	2	1	1	1	2	2	2	2	2	2	2	3	2
30	2	1	1	1	2	2	2	3	3	4	4	3	1	2	2	2	3	4	4	4	3	2	2	1	2
31	1	2	2	2	2	3	3	3	3	3	3	3	3	3	4	4	4	4	4	3	2	1	2	2	3
MEAN	2	2	2	2	2	2	2	3	3	3	3	2	2	2	2	3	3	3	3	3	3	3	3	2	2.5

PERCENTAGE OF DATA VALID - 99.5

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 35003		ELMCREST ROAD, ETOBICOKE												MONTH - FEB 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	1	1	1	2	2	3	3	2	2	2	2	1	1	2	3	4	4	4	4	3	3	3	2
2	3	3	3	3	3	4	4	4	5	5	5	5	4	4	4	4	5	5	6	6	5	5	5	4	4
3	3	3	3	4	3	3	4	4	4	4	4	4	3	2	2	2	3	3	4	4	3	3	3	3	3
4	3	2	2	1	1	2	2	2	2	2	2	2	3	3	3	3	4	3	4	4	4	4	4	4	3
5	4	4	4	4	4	4	4	4	4	3	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3
6	1	1	1	1	2	2	2	3	3	3	3	2	2	2	2	2	2	2	2	1	1	1	1	1	2
7	1	1	0	0	0	0	1	2	2	1	1	1	1	1	1	1	2	2	3	3	2	2	2	3	1
8	2	2	1	1	1	2	2	3	3	3	3	3	2	2	2	3	3	4	5	5	4	4	4	3	3
9	3	2	2	2	2	2	2	4	4	3	3	2	2	2	3	4	4	5	5	5	5	4	4	4	3
10	4	4	4	4	4	4	4	4	4	4	3	4	5	2	2	2	2	3	4	3	3	2	3	3	3
11	4	4	3	3	2	3	2	2	3	2	2	1	1	1	2	2	2	2	2	2	1	1	1	1	2
12	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	3	2	2	2
13	4	4	4	4	1	2	2	3	3	2	2	2	2	3	2	3	3	4	4	4	4	3	3	4	3
14	4	4	3	3	2	2	3	3	3	3	2	2	2	2	1	1	2	4	4	4	4	4	5	4	3
15	4	4	4	4	3	3	3	4	5	5	5	5	3	3	2	2	4	5	7	7	7	6	5	6	4
16	5	5	6	6	5	3	3	4	5	4	3	3	3	4	3	2	2	3	2	4	5	5	4	3	4
17	2	3	3	3	2	3	4	4	4	4	3	3	2	2	2	2	2	3	5	5	4	4	5	4	3
18	4	5	5	5	5	5	5	4	4	4	3	2	2	2	2	2	3	4	5	6	6	4	4	4	3
19	4	4	4	3	3	2	2	2	2	2	2	1	1	1	1	1	1	2	3	3	4	4	4	4	3
20	4	4	4	4	3	4	4	4	5	6	6	6	3	3	2	1	1	2	4	4	6	7	7	6	4
21	5	3	3	4	4	5	5	6	6	6	4	3	2	2	2	2	2	3	4	3	2	2	2	2	3
22	2	2	2	3	3	4	4	3	2	1	1	1	1	1	1	2	3	3	4	4	4	4	3	3	3
23	2	2	2	2	2	3	4	4	4	4	4	3	2	2	2	2	3	3	3	3	4	5	5	4	3
24	4	4	3	3	2	2	3	3	2	2	1	1	1	1	1	1	2	3	4	4	3	2	2	2	2
25	3	4	5	6	5	4	4	5	3	3	3	3	2	2	2	2	3	4	4	4	4	4	4	4	4
26	4	4	4	3	2	1	2	2	2	2	2	1	1	1	1	1	1	2	3	3	3	3	3	3	2
27	3	2	2	2	2	2	3	3	4	4	3	2	2	2	1	1	2	3	3	4	4	4	3	3	3
28	3	3	3	4	4	4	4	4	5	6	6	3	2	2	1	1	2	2	4	6	7	5	5	6	4
MEAN	3	3	3	3	3	3	3	3	4	3	3	2	2	2	2	2	3	3	4	4	4	4	4	3	3.0

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 35003		ELMCREST ROAD, ETOBICOKE												MONTH - MAR 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	7	6	5	3	3	3	5	6	6	5	3	2	2	2	2	2	2	3	4	5	5	4	4	4	4
2	4	3	3	3	3	3	3	4	4	4	3	2	1	1	2	2	2	4	4	4	5	6	6	6	3
3	6	5	5	5	5	5	5	4	4	3	3	2	3	3	3	3	4	4	4	4	4	2	2	3	4
4	4	4	4	3	3	2	1	2	1	1	1	1	1	1	1	1	1	1	3	3	2	2	3	3	2
5	4	4	3	3	3	2	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	4	2
6	4	4	3	3	5	5	5	6	6	6	6	5	6	3	2	1	2	3	4	4	5	5	5	5	4
7	5	4	3	3	2	3	4	5	4	4	2	1	1	1	1	1	2	3	4	3	3	3	3	3	3
8	3	2	2	2	2	2	3	4	5	6	6	2	2	2	2	3	4	5	5	5	5	5	6	4	4
9	6	6	5	5	5	5	6	6	7	7	6	5	4	3	2	3	4	4	6	5	3	4	6	8	5
10	9	6	3	3	4	6	6	6	7	7	4	3	5	4	4	4	6	8	10	11	12	10	8	8	6
11	6	7	7	7	8	7	7	6	4	5	5	3	3	4	6	7	6	6	3	3	4	6	6	6	6
12	5	5	6	6	5	5	5	4	4	3	2	3	3	2	2	2	1	2	4	6	6	6	6	5	4
13	5	5	5	5	5	5	5	6	7	9	7	6	6	7	6	6	8	7	6	6	6	6	7	8	6
14	6	4	3	2	2	3	3	5	7	8	7	5	4	2	2	2	2	3	3	2	3	3	2	3	4
15	2	2	2	2	1	1	2	3	3	2	2	2	2	2	2	2	2	3	4	4	4	4	3	2	2
16	2	2	2	1	1	1	2	3	4	5	6	5	4	3	3	3	3	4	4	5	4	4	3	3	3
17	2	2	1	2	4	5	5	3	3	3	3	3	3	4	5	4	3	2	3	4	3	3	3	4	3
18	4	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	2	1	2
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1
20	2	2	2	2	2	4	4	5	4	2	3	4	4	5	5	3	4	5	5	5	5	5	5	5	4
21	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	5	5	5	4	4	4	3	3	5
22	3	2	2	2	2	2	2	4	4	3	2	2	2	2	3	4	5	6	5	5	3	4	4	3	3
23	2	2	2	2	2	2	3	4	3	3	2	1	2	1	1	1	1	2	4	5	5	4	3	1	2
24	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	3	3	3	3	3	1
25	3	2	3	3	3	4	3	3	3	2	2	2	2	2	2	2	3	2	2	3	2	2	1	2	2
26	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	3	3	3	3	3	2	2	3	2
27	3	2	2	2	2	3	3	3	4	4	3	2	2	2	2	2	3	4	4	5	5	4	4	3	2
28	2	2	2	1	1	2	2	2	2	2	1	1	1	1	2	2	3	3	4	4	4	4	4	5	2
29	4	3	3	2	2	2	3	3	2	1	1	1	1	1	1	1	1	2	3	4	4	4	3	3	2
30	3	3	3	3	2	3	3	3	4	4	3	2	1	1	1	1	1	2	3	4	4	2	4	4	3
31	3	3	3	3	3	3	3	3	5	6	4	3	4	2	4	6	6	6	5	5	4	4	4	3	4
MEAN	4	3	3	3	3	3	3	4	4	4	3	3	3	2	3	3	3	4	4	4	4	4	4	4	3.3

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE

MONTH - APR 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	4	4	4	4	4	4	2	2	1	1	1	1	1	2	2	2	2	1	1	1	1	1	2
2	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	3	3	3	4	4	3	1
3	4	4	3	1	1	0	1	2	2	1	2	3	3	3	3	3	4	4	4	4	4	4	4	4	3
4	4	4	4	3	3	3	3	3	3	3	3	4	4	4	5	5	5	4	4	4	3	3	3	2	4
5	1	1	1	1	1	1	2	3	2	1	1	1	1	1	1	1	2	2	3	3	3	3	3	3	2
6	3	3	3	3	3	3	3	3	3	2	2	2	3	3	3	3	4	4	4	4	3	3	3	3	3
7	3	3	4	4	3	2	3	2	2	1	1	1	1	1	1	1	1	2	2	3	2	1	1	1	2
8	2	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	3	2	2	2	1
9	3	3	3	1	1	2	1	1	1	0	0	1	1	1	1	1	1	2	3	5	5	5	5	4	2
10	5	5	5	4	3	3	3	4	4	3	4	3	3	3	3	3	3	4	4	3	3	3	3	4	4
11	3	3	3	2	2	4	4	4	4	4	5	5	3	2	1	1	2	2	1	2	2	2	2	1	3
12	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	4	3	1	1	1	2	2	2	2
13	2	2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	2	2	3	3	3	2	2	2	2
14	2	1	1	1	1	2	2	***	1	1	1	1	1	1	1	2	2	2	3	4	3	3	3	2	2
15	3	3	3	3	2	1	2	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	3	2	2
16	3	3	2	2	2	2	2	1	1	1	1	1	2	3	3	2	1	1	2	3	3	3	3	2	2
17	3	1	1	1	2	3	3	3	3	3	1	1	1	1	3	3	3	3	5	6	3	4	4	3	3
18	3	3	3	3	3	2	3	3	4	4	3	2	3	3	2	2	3	3	2	2	2	2	2	3	3
19	3	2	2	1	1	1	2	2	4	3	4	3	3	3	3	3	3	3	3	3	3	2	2	2	3
20	2	2	2	1	1	2	2	3	3	3	3	2	2	1	1	2	2	2	2	3	3	2	2	1	2
21	1	1	0	0	0	0	1	1	1	1	1	0	0	0	1	1	1	1	2	2	3	3	2	3	1
22	3	2	2	1	1	1	2	1	1	0	0	0	0	0	0	0	1	1	1	3	4	4	3	3	1
23	3	3	3	2	2	2	2	2	2	3	2	1	1	1	1	2	3	3	3	4	5	3	4	4	3
24	4	3	3	3	3	2	3	4	5	5	3	3	3	2	1	1	1	2	2	3	4	3	3	3	3
25	3	2	2	2	3	3	4	4	4	3	2	2	2	2	1	2	3	3	4	5	5	5	4	3	3
26	4	4	4	3	3	3	3	4	4	3	4	3	3	3	2	2	3	4	6	6	4	4	4	3	4
27	4	3	3	1	1	2	2	3	4	3	2	1	1	1	1	1	1	2	2	3	3	3	2	2	2
28	1	1	1	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	3	4	5	4	4	3	2
29	3	3	3	3	2	2	2	2	1	1	1	1	1	1	1	0	1	1	1	1	1	2	2	2	2
30	2	2	2	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	3	3	3	3	1
MEAN	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	2.2

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE

MONTH - MAY 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	1	2	1	2	2	2	1	1	1	0	0	0	1	1	1	1	1	1	2	4	3	3	1
2	2	2	2	2	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	3	2	2
3	2	2	3	2	3	3	3	4	4	3	1	1	***	1	1	1	1	1	2	3	4	5	4	4	3
4	3	3	3	3	3	3	4	4	4	3	3	2	2	2	2	2	2	3	4	3	4	4	2	3	3
5	1	1	1	2	2	3	4	5	4	4	4	4	3	3	3	5	5	4	5	5	4	4	4	4	4
6	3	2	2	2	2	2	2	3	3	3	4	4	4	4	4	4	4	4	3	4	3	3	3	3	3
7	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	3	4	5	6	4	4	3	3
8	2	2	2	1	2	3	5	5	5	4	5	5	6	5	6	6	6	6	5	4	5	4	4	4	4
9	3	3	4	4	4	4	4	3	5	3	2	2	1	1	2	2	2	1	1	2	2	1	1	2	2
10	1	1	1	1	1	2	3	3	2	***	1	1	1	1	1	1	1	2	2	3	3	4	3	3	2
11	2	3	2	3	3	3	4	4	3	4	4	4	4	5	5	6	6	7	7	8	7	7	7	7	5
12	6	6	4	4	3	4	5	5	6	5	6	5	5	5	5	5	4	3	4	3	4	5	3	4	5
13	3	3	2	2	2	3	3	3	3	3	3	4	4	5	4	2	4	5	5	5	4	4	3	4	4
14	2	2	1	1	1	1	2	2	2	3	3	3	2	2	2	2	2	2	2	1	1	1	1	1	2
15	1	1	1	1	1	2	3	3	2	2	2	2	1	1	2	3	3	3	4	4	3	2	3	2	2
16	1	1	1	1	2	2	3	3	2	2	2	2	3	2	2	3	2	3	4	3	5	5	4	2	3
17	1	1	1	1	2	3	4	4	4	4	3	4	2	1	2	2	2	3	4	4	4	4	4	4	3
18	3	2	2	2	2	2	3	3	3	2	3	5	5	5	6	4	2	4	5	5	4	4	4	4	4
19	3	3	3	2	2	3	4	4	2	2	6	5	3	***	1	1	1	2	4	5	4	5	4	5	3
20	3	2	2	3	3	3	4	3	3	2	2	1	1	1	1	1	2	3	4	3	2	2	2	3	2
21	3	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	3	3	1
22	2	1	1	2	2	2	2	1	1	0	0	1	1	1	2	2	3	4	6	6	5	4	3	2	2
23	3	2	2	2	3	3	6	6	4	4	5	5	***	5	7	7	8	9	10	5	3	5	5	5	5
24	7	5	4	4	3	3	6	8	9	7	6	5	5	3	4	4	2	3	5	7	6	5	5	5	5
25	3	4	3	3	4	4	5	4	2	1	1	0	1	1	1	1	1	1	2	4	4	5	4	4	3
26	4	3	2	3	3	2	3	8	9	4	4	4	7	10	3	3	4	5	6	6	6	5	7	6	5
27	6	4	4	3	3	2	5	4	3	3	3	2	2	1	2	1	5	5	6	6	4	5	4	4	4
28	7	6	4	3	3	3	3	5	4	3	5	5	4	3	1	1	1	1	3	6	6	6	6	5	4
29	4	3	3	3	3	3	3	5	4	3	5	5	4	3	1	1	1	1	3	6	6	6	6	5	4
30	5	4	3	2	2	3	5	6	9	8	6	7	4	3	5	4	4	5	6	5	4	3	3	8	5
31	7	5	3	3	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2
MEAN	3	3	2	2	2	3	3	4	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	3.1

PERCENTAGE OF DATA VALID - 99.5

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE														MONTH - AUG 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	2	2	2	2	2	4	5	5	4	3	3	3	4	6	5	5	5	8	7	7	6	5	4
2	3	3	3	3	3	2	3	4	5	5	4	3	2	2	2	2	2	1	1	2	4	2	1	1	3
3	1	1	1	1	1	2	3	3	3	2	2	2	1	1	1	1	2	4	4	2	2	1	1	1	2
4	1	1	1	1	1	2	2	3	1	1	1	1	2	2	2	2	1	1	1	3	3	3	2	2	2
5	2	2	2	1	1	1	2	3	4	3	3	2	2	2	1	1	2	3	3	2	2	3	4	4	2
6	4	3	3	3	2	2	2	3	3	2	1	2	1	1	1	1	1	1	2	4	6	6	6	6	3
7	4	4	3	3	2	2	3	4	5	4	3	2	2	2	3	3	3	3	3	4	4	4	5	5	3
8	5	4	5	5	3	2	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
9	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	2	1	1	1	2	2	3	2	2	2
10	2	2	1	1	1	2	2	2	2	2	4	3	3	3	3	3	3	2	3	3	3	2	2	2	2
11	2	2	2	2	2	1	2	3	6	5	2	2	1	1	1	2	3	3	3	4	4	2	3	2	3
12	2	2	2	2	2	2	2	3	3	1	2	1	4	4	3	7	4	3	3	4	5	5	3	4	3
13	4	4	3	3	3	2	2	3	1	1	2	2	2	2	2	2	2	2	2	2	4	4	5	4	3
14	4	4	3	3	2	2	3	5	6	4	4	3	2	2	2	2	2	2	2	3	4	4	5	4	3
15	4	5	5	3	4	4	5	5	4	2	2	2	3	3	2	2	2	3	4	6	6	4	3	3	4
16	1	1	1	1	1	2	3	3	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1
17	DATA INVALID														3	6	5	4	4	3	4	4	3	3	3
18	DATA INVALID														1	1	1	1	1	1	1	1	1	1	1
19	3	3	3	3	2	2	2	2	2	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	2
20	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	3	3	2	2	2	1
21	2	1	1	1	2	2	2	3	4	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3
22	3	3	2	3	3	2	3	4	8	7	4	4	3	2	3	4	5	4	3	4	5	7	7	5	4
23	4	4	3	3	3	3	4	4	8	9	6	3	5	4	4	4	6	4	4	6	6	8	7	2	5
24	3	2	1	1	2	1	3	5	6	3	2	3	5	3	7	6	4	3	3	2	2	2	2	2	3
25	2	2	1	1	1	2	2	3	3	3	3	2	1	1	1	1	2	2	2	2	3	3	3	3	2
26	3	3	2	1	1	2	2	2	2	1	1	1	1	1	2	2	2	2	3	3	4	3	3	2	2
27	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2
28	1	1	1	2	2	2	3	4	4	3	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2
29	1	1	1	1	1	1	2	2	3	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1
30	2	2	2	2	2	2	2	2	3	3	2	1	1	1	1	1	1	1	3	5	5	3	3	2	2
31	2	2	2	2	2	2	2	3	3	3	2	2	1	1	0	0	1	1	3	4	4	4	3	2	2
MEAN	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	3	3	3	3	3	3	2.5

PERCENTAGE OF DATA VALID - 94.5 PERCENTAGE OF DATA INVALID - 5.5 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE														MONTH - SEP 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	1	2	2	2	3	3	2	1	1	2	3	2	2	2	2	2	3	4	4	3	3	2
2	3	3	3	3	2	2	2	3	2	1	1	1	2	2	1	2	2	1	1	1	1	1	1	1	2
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
4	2	1	1	1	1	1	1	1	1	1	1	1	0	1	2	2	1	3	4	4	5	6	5	4	3
5	2	2	2	2	2	2	3	3	3	2	3	2	1	1	1	1	1	2	3	4	2	1	1	1	2
6	2	2	2	2	1	4	5	5	3	2	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1
7	1	1	0	1	1	1	2	2	2	2	2	3	2	2	2	2	2	2	3	3	3	2	2	2	2
8	1	1	1	2	2	1	2	2	2	2	1	1	1	2	2	1	1	1	1	3	3	3	2	1	2
9	2	2	2	2	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	3	3	3	2	1	2
10	2	1	1	1	1	1	1	1	1	1	2	2	2	1	2	2	3	3	3	4	4	3	3	3	2
11	3	3	2	3	3	3	3	4	5	5	4	1	1	1	1	1	1	1	3	4	4	3	2	2	3
12	2	3	2	1	1	1	3	2	2	2	1	1	1	1	1	2	2	2	3	3	3	2	2	2	2
13	1	1	1	1	1	1	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1
14	1	1	1	1	1	2	3	3	3	2	3	3	3	3	3	3	3	3	3	4	2	2	2	2	2
15	2	2	1	1	1	2	3	3	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1
16	1	1	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2
17	2	2	2	2	1	1	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
18	2	2	2	2	1	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2
19	1	1	1	1	1	2	3	3	3	3	4	4	5	4	3	3	4	5	5	5	4	3	4	3	3
20	3	3	3	3	3	2	3	4	4	5	4	4	5	5	6	6	5	5	5	5	4	5	5	4	4
21	4	4	4	3	3	3	2	3	6	6	1	1	1	2	2	1	1	2	2	2	1	1	1	1	2
22	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	2	2	2	2	1	1	1	1
23	1	1	1	1	1	1	1	2	2	3	2	1	3	3	2	2	2	2	3	4	4	4	2	2	2
24	2	1	2	1	1	2	1	2	2	1	1	1	1	1	1	1	1	2	2	3	4	3	4	3	2
25	1	1	1	1	1	2	2	1	1	1	1	0	0	0	1	1	1	2	2	2	1	2	1	1	1
26	1	1	1	1	1	1	1	2	4	3	2	2	3	2	2	2	3	2	3	4	3	4	3	2	2
27	3	2	1	1	2	2	3	3	2	1	1	1	1	1	1	1	2	2	4	4	1	1	1	0	2
28	0	0	0	0	1	1	2	1	1	1	0	0	0	0	1	1	1	2	2	2	1	2	1	1	1
29	1	1	1	1	1	0	0	2	4	4	4	4	4	4	2	3	3	3	3	3	3	2	3	2	2
30	2	1	1	1	1	1	1	1	3	3	3	2	3	2	2	2	3	4	3	2	3	2	1	2	2
MEAN	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2.0

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE														MONTH - DEC 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	3	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
2	2	1	3	3	2	2	2	3	3	2	2	2	1	2	2	2	2	3	3	3	3	3	3	4	4
3	4	4	3	3	2	2	2	2	3	3	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3
4	3	3	2	1	1	2	2	3	3	3	2	2	1	2	2	2	2	2	2	2	1	1	1	1	2
5	1	1	1	1	1	1	1	1	2	1	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2
6	2	2	2	2	2	3	2	2	2	2	2	.....	.....	2	3	3	3	3	3	3	3	3	3	3	3
7	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
8	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3
9	3	2	2	2	1	1	1	2	3	2	1	1	1	1	1	2	2	2	2	2	1	1	1	1	2
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1
11	2	1	2	2	2	2	2	2	3	3	3	2	2	2	2	3	4	3	3	3	3	3	3	3	3
12	3	3	3	3	3	2	2	3	2	2	2	2	2	2	3	2	2	3	3	2	3	3	3	3	3
13	3	3	2	2	1	2	2	2	2	2	2	2	2	2	1	2	2	2	1	1	1	1	1	1	2
14	2	1	1	1	1	1	2	3	3	3	2	1	1	1	1	2	2	2	3	3	3	3	3	3	2
15	1	1	1	1	1	1	2	2	2	1	1	2	2	2	2	4	4	4	4	4	4	4	4	4	3
16	3	3	3	2	3	2	3	3	3	3	2	3	3	3	4	4	4	4	4	4	4	4	4	4	3
17	3	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	3	3	3	2
18	2	1	2	2	2	2	3	3	2	3	2	2	2	2	1	2	2	3	3	3	3	3	3	3	3
19	2	3	3	3	2	3	3	3	3	3	2	1	.....	.....	2	3	3	3	3	3	3	3	3	3	3
20	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3
21	3	3	3	2	2	2	2	2	2	2	2	2	1	1	2	2	3	4	3	3	3	2	2	2	2
22	3	2	1	1	2	1	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	1	1	1	2
23	1	1	1	1	1	1	1	2	2	2	1	1	2	1	1	2	2	4	3	4	3	3	3	3	2
24	2	0	1	3	3	2	2	2	2	2	2	3	2	3	3	3	3	3	3	3	3	3	3	3	2
25	3	3	3	3	3	3	2	2	2	2	3	2	1	1	1	1	2	1	1	1	1	1	1	1	2
26	2	2	1	1	1	1	1	1	1	1	1	2	2	2	1	2	2	2	2	2	2	2	2	2	2
27	2	2	2	1	2	2	2	2	2	1	1	1	1	1	1	2	3	3	3	3	2	2	2	2	2
28	2	1	2	2	2	2	2	2	2	2	2	.....	.....	3	3	4	3	3	3	3	3	3	3	3	3
29	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	3	3	3	4	3	3	2	2	2	3
30	3	3	2	1	2	2	3	3	3	3	3	3	3	3	3	4	4	3	4	4	4	4	4	4	3
31	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2.3

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.8 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. -- INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT UNITS - 0.01 PARTS/MILLION

STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	2.5	5	6
FEB	28	3.0	4	7
MAR	31	3.3	6	12
APR	30	2.2	4	6
MAY	31	3.1	5	10
JUN	30	2.3	5	10
JUL	30	2.0	3	7
AUG	29	2.5	5	9
SEP	30	2.0	4	6
OCT	31	2.0	4	6
NOV	30	2.3	6	9
DEC	31	2.3	3	4
YEAR	362	2.5	6	12

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE

MONTH	00 TO 01	02 TO 03	04 TO 05	06 TO 07	08 TO 09	10 TO 11	12 TO 13	14 TO 15	16 TO 17	18 TO 19	20 TO 21	22 TO 23	24 TO 25	TOTAL
JAN	190	388	162	0	0	0	0	0	0	0	0	0	0	740
FEB	84	341	238	6	0	0	0	0	0	0	0	0	0	669
MAR	114	328	266	32	2	0	0	0	0	0	0	0	0	742
APR	253	361	105	0	0	0	0	0	0	0	0	0	0	719
MAY	146	318	244	32	0	0	0	0	0	0	0	0	0	740
JUN	304	267	132	14	0	0	0	0	0	0	0	0	0	717
JUL	306	346	73	1	0	0	0	0	0	0	0	0	0	726
AUG	195	368	127	13	0	0	0	0	0	0	0	0	0	703
SEP	296	349	70	0	0	0	0	0	0	0	0	0	0	715
OCT	245	439	54	0	0	0	0	0	0	0	0	0	0	738
NOV	167	479	54	13	0	0	0	0	0	0	0	0	0	713
DEC	147	562	29	0	0	0	0	0	0	0	0	0	0	738
YEAR	2447	4546	1554	111	2	0	0	0	0	0	0	0	0	8660

## FREQUENCY DISTRIBUTION BY PERCENTILES

DISTRIBUTION OF PERCENTILES				CONCENTRATIONS							
PERCENT OF DATA VALID	MIN	10	30	FREQUENCY 50	DISTRIBUTION. 70	PERCENT 90	95	98	99	MAX	ARITH MEAN
98.9	0	0.3	1.1	1.7	2.5	3.8	4.7	5.7	6.4	12	2.5

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35033 EVANS/ARNOLD AVE, ETOBICOKE

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	3	3	3	3	2	2	2	2	2	2	2	3	3	3	3	3	3	3	2	2	2	2	2	3
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	3	2	3	3	3	4	3	4	4	4	3	3	3	3	3	4	3	4	4	3	4	4	4	4	3
5	4	3	3	4	4	3	4	4	3	4	3	3	3	3	3	3	3	4	4	4	5	6	6	6	4
6	4	3	2	2	2	2	3	3	3	3	3	3	3	3	3	4	3	3	3	3	4	3	3	3	3
7	3	3	3	3	3	3	3	3	3	3	4	4	4	4	3	4	4	3	3	3	3	3	3	3	3
8	3	3	3	2	2	2	2	2	3	3	3	2	3	3	2	2	3	3	3	2	2	2	2	2	3
9	1	1	1	1	1	1	2	2	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2
10	2	2	1	1	1	2	3	3	4	4	3	3	3	3	3	3	3	4	3	3	3	3	3	3	3
11	4	4	4	3	2	2	3	3	3	3	2	2	2	2	3	3	4	4	4	4	3	3	3	3	3
12	3	2	2	2	2	3	3	3	3	3	3	4	4	4	3	5	5	5	5	5	5	5	5	5	4
13	5	4	4	4	5	3	3	3	3	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	4
14	3	2	2	1	1	1	2	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2
15	3	3	2	2	2	2	3	3	3	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3
16	3	2	2	3	3	3	3	4	4	4	3	3	3	3	3	3	4	4	4	4	3	3	3	3	4
17	4	5	4	4	4	4	5	5	5	5	5	5	4	4	4	4	4	4	4	4	3	3	3	3	4
18	2	2	2	2	2	2	3	4	4	4	3	4	4	4	4	4	4	4	4	4	3	3	3	3	4
19	4	4	4	5	5	5	5	5	6	8	7	6	5	5	4	4	4	4	4	4	4	4	4	4	5
20	3	3	2	2	2	2	2	3	4	4	4	4	4	4	4	4	4	4	3	4	3	3	3	3	3
21	3	3	2	2	2	2	3	3	3	3	4	4	4	4	4	4	4	4	5	5	6	6	4	4	4
22	4	4	4	4	4	3	4	4	4	3	3	2	2	2	3	3	3	4	4	4	4	4	4	4	3
23	4	4	4	3	3	3	3	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	4	4	4
24	5	5	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	6	5	4	4	5	4	4
25	4	4	4	4	4	4	5	5	5	6	6	5	4	4	4	4	3	3	3	3	3	3	2	2	4
26	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
28	3	3	2	1	1	1	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
29	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
30	3	3	3	3	2	2	3	4	5	5	5	5	3	3	3	4	4	4	4	4	4	4	3	3	3
31	2	2	2	1	2	3	4	3	3	3	3	3	4	4	4	4	5	5	5	4	4	3	4	3	3
MEAN	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3	3	4	4	4	4	3	3	3	3	3.2

PERCENTAGE OF DATA VALID - 96.9

PERCENTAGE OF DATA INVALID - 3.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE

MONTH - APR 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	2	4	4	4	4	4	4	3	4	4	4	****	****	3	3	3	3	3	3	2	2	3	3	3
2	3	3	3	2	2	2	2	2	2	3	3	4	4	4	4	4	5	5	2	5	5	5	5	5	3
3	5	5	2	1	1	2	2	3	3	3	3	3	4	3	3	3	3	3	3	3	3	4	4	5	3
4	4	4	4	4	4	4	4	4	3	3	***	3	4	4	5	6	5	4	4	5	4	4	3	3	4
5	2	2	2	1	2	2	4	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
6	4	4	4	4	4	5	5	4	3	2	2	2	2	2	4	3	3	2	2	3	3	2	3	2	3
7	3	4	4	4	4	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	4
8	3	3	3	2	2	2	2	2	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	3
9	5	5	4	3	2	2	3	2	2	2	3	3	3	4	3	4	4	3	4	5	6	4	3	4	3
10	5	5	5	3	2	2	3	4	4	4	5	5	5	4	3	3	4	5	5	4	4	3	5	5	4
11	4	3	2	3	2	4	3	4	4	4	5	5	5	3	3	4	4	****	4	4	4	5	4	3	4
12	4	3	3	2	2	3	4	3	4	3	3	3	4	4	4	5	6	6	5	3	2	3	5	4	4
13	4	3	3	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	4	4	4	4	4	4
14	3	3	3	2	2	2	4	4	4	4	****	5	4	5	4	5	5	5	5	5	4	4	4	4	4
15	4	4	4	4	3	3	3	3	3	3	3	3	4	4	4	3	4	4	4	4	4	4	4	4	4
16	4	3	2	3	3	4	4	5	5	4	4	5	4	4	4	4	5	5	6	7	6	5	5	5	4
17	4	3	2	2	3	4	4	5	5	4	4	5	4	4	4	4	5	5	6	7	6	5	5	5	4
18	5	5	4	5	5	6	4	4	4	3	3	3	3	3	4	5	5	4	3	2	1	1	1	1	4
19	1	1	1	1	1	2	3	5	5	5	5	5	6	6	6	6	6	5	5	5	5	4	4	4	4
20	4	4	3	3	3	4	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	3	3	4	4
21	3	2	2	2	2	3	4	****	4	4	4	4	4	4	5	4	5	5	5	5	5	5	4	4	4
22	4	4	3	3	3	3	4	3	3	3	3	3	4	4	4	4	5	5	5	5	5	4	5	5	4
23	5	4	4	4	4	4	3	3	4	4	3	2	2	2	1	2	2	2	4	5	6	7	7	6	4
24	6	4	4	3	4	4	5	6	6	6	4	4	4	5	****	5	6	6	5	5	5	5	5	5	5
25	5	5	4	4	4	5	5	6	6	5	4	5	5	5	5	5	5	5	4	5	6	6	6	6	5
26	7	6	5	5	5	5	6	6	6	5	4	4	5	5	5	6	****	6	4	5	8	6	5	6	5
27	5	5	4	4	3	4	5	6	6	6	6	5	5	5	5	5	5	5	5	5	5	4	4	4	5
28	4	3	3	4	3	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	5	6	5	5
29	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
30	4	3	3	3	2	3	2	2	3	3	3	4	3	3	3	3	3	****	4	4	4	5	4	3	3
MEAN	4	4	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3.9

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE

MONTH - MAY 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	2	2	3	4	5	4	4	3	4	****	3	4	4	4	4	4	4	4	4	5	4	4	4
2	4	4	4	4	4	4	4	4	4	4	****	4	4	4	4	5	5	4	4	5	5	5	4	4	4
3	3	3	3	4	5	5	5	6	7	6	5	****	4	4	5	5	5	5	5	4	5	5	5	5	5
4	5	5	3	2	2	4	6	5	3	3	2	3	2	3	3	3	4	5	4	4	5	4	5	4	4
5	2	1	3	4	2	3	4	5	4	4	4	4	3	4	4	5	4	5	4	5	5	5	4	4	4
6	4	4	4	3	3	3	4	4	4	4	4	3	****	4	4	4	3	3	4	4	4	4	4	5	4
7	5	4	3	3	3	4	4	4	4	4	2	2	2	3	3	3	2	3	3	3	3	2	2	2	3
8	2	1	2	2	2	3	4	4	4	5	6	5	5	5	5	6	7	6	5	4	3	4	5	6	3
9	3	4	2	4	3	4	5	5	6	5	5	5	5	4	4	5	5	5	4	4	4	4	3	3	4
10	2	2	2	3	3	4	5	4	****	3	3	3	4	4	4	5	5	5	4	4	5	4	5	5	4
11	4	4	4	4	4	4	4	****	****	4	4	4	4	4	4	5	4	3	4	6	6	6	7	7	5
12	6	5	4	2	2	4	4	6	6	4	5	4	5	6	5	6	4	4	4	3	4	3	2	2	4
13	2	1	2	2	2	2	2	2	2	2	3	5	5	4	2	3	3	4	5	3	2	2	1	2	3
14	3	2	1	1	1	1	1	2	3	****	****	3	3	2	1	1	2	2	2	1	2	1	1	1	2
15	1	1	1	1	2	3	4	4	3	3	****	3	3	3	3	4	4	4	4	4	3	3	4	3	3
16	2	3	2	2	3	3	4	4	4	3	3	3	4	3	4	4	3	3	5	5	5	3	3	3	3
17	2	2	2	2	3	4	4	4	4	****	3	3	3	3	4	4	3	3	3	4	4	4	4	4	4
18	4	4	4	3	3	4	3	4	4	4	****	6	7	6	7	4	4	5	6	6	7	6	6	5	5
19	5	5	4	5	4	6	6	8	7	6	6	6	6	7	10	6	5	5	6	6	6	6	6	6	6
20	5	5	5	5	5	6	6	6	5	4	4	4	4	3	3	3	3	6	3	3	3	4	4	4	4
21	5	3	2	2	2	2	2	2	3	3	3	3	2	2	3	3	3	3	3	3	3	4	4	3	3
22	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	1	1	2	3	4	4	6	6	5	3
23	4	4	3	3	3	4	6	6	5	5	4	3	4	5	6	6	5	5	8	6	5	6	9	9	5
24	9	7	7	7	7	7	7	7	10	12	10	6	****	4	4	6	8	5	6	8	8	9	7	7	7
25	7	7	6	6	7	9	9	8	7	7	6	6	6	7	7	7	7	7	7	8	8	7	7	7	7
26	6	6	5	5	6	7	8	8	8	8	5	6	5	5	6	5	4	5	5	5	8	11	10	6	
27	7	9	9	8	7	6	7	7	6	3	3	4	3	3	4	3	3	3	4	4	3	6	10	11	6
28	10	9	8	4	3	4	8	5	3	3	3	3	3	3	3	3	5	4	4	4	6	6	6	8	5
29	8	7	7	7	5	8	9	10	9	****	7	6	6	6	6	5	4	4	7	6	4	6	4	5	6
30	7	8	7	7	6	5	7	8	****	****	6	6	7	7	7	6	4	4	5	5	5	6	9	7	6
31	6	8	8	4	5	5	5	4	4	4	4	****	5	1	1	1	1	1	1	1	1	1	1	1	3
MEAN	4	4	4	4	4	4	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	4.4

PERCENTAGE OF DATA VALID - 97.7

PERCENTAGE OF DATA INVALID - 2.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE													MONTH - JUN 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
5	4	4	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
6	4	4	3	4	3	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
7	4	3	4	5	5	5	5	6	7	7	7	7	7	6	6	6	7	7	6	6	6	6	6	5	6
8	3	6	4	5	5	5	5	6	7	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
9	3	6	4	5	5	5	5	6	7	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
10	4	4	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
11	5	4	3	4	4	3	3	3	3	2	2	2	2	2	2	2	2	1	1	2	4	4	3	3	3
12	2	3	3	3	3	4	5	5	5	3	3	3	3	4	3	4	4	5	5	5	4	3	3	3	2
13	1	1	1	1	2	3	4	4	3	3	3	3	4	4	4	5	5	5	5	5	4	4	4	4	3
14	3	2	2	2	4	5	6	5	5	5	5	4	4	4	4	5	5	5	5	5	5	5	5	5	4
15	4	3	2	2	4	6	6	6	6	5	4	3	5	5	5	6	6	4	4	3	4	6	6	5	5
16	5	6	4	4	4	5	5	5	5	3	3	4	4	4	5	4	4	7	7	6	6	7	5	4	4
17	2	5	4	2	2	3	2	2	3	3	3	3	3	3	4	4	4	3	2	3	4	2	2	3	3
18	3	5	6	4	2	3	3	2	2	2	2	2	3	4	4	4	4	4	4	4	4	4	4	4	4
19	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
20	4	4	3	2	3	3	4	6	6	6	7	6	7	7	7	5	9	5	4	5	3	5	4	5	5
21	3	3	8	8	8	8	8	5	6	9	7	4	7	7	7	7	7	6	4	3	3	4	3	3	6
22	3	3	2	2	3	3	4	3	3	3	3	3	3	3	4	4	4	5	5	5	5	5	3	4	4
23	4	3	2	1	3	3	3	3	2	2	3	2	3	3	2	3	3	2	2	2	2	2	3	3	3
24	3	3	3	3	3	3	4	4	3	3	2	2	2	1	1	2	2	2	2	2	2	3	5	5	3
25	6	5	5	5	5	5	5	3	2	2	2	2	2	2	1	1	1	1	2	2	2	5	3	2	3
26	2	4	1	2	5	3	5	6	6	6	4	4	4	3	4	4	3	3	3	3	4	3	4	4	4
27	5	4	3	3	4	4	5	5	4	4	4	4	4	4	5	6	5	5	5	4	4	4	4	4	4
28	3	2	2	2	3	3	3	3	3	3	3	3	3	4	4	4	4	3	4	3	3	3	3	3	3
29	3	3	2	2	3	4	4	4	4	4	4	4	4	4	5	4	4	4	4	4	4	4	4	4	4
30	4	2	2	3	3	3	4	3	3	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3
MEAN	3	3	3	3	3	4	4	4	4	4	3	3	4	4	4	4	4	4	4	4	4	4	4	3	3.5

PERCENTAGE OF DATA VALID - 95.7 PERCENTAGE OF DATA INVALID - 4.3 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. \*\* INDICATES DATA IS UNAVAILABLE  
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE													MONTH - JUL 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	3	3	3	3	3	3	3	2	2	1	1	0	0	0	0	1	1	1	1	2	4	5	4	2
2	4	4	3	2	2	3	3	2	2	1	1	1	1	1	1	1	1	1	1	1	2	3	3	2	2
3	2	1	1	1	2	3	3	2	2	1	1	2	2	2	2	2	2	5	4	2	2	3	2	1	2
4	1	2	2	1	2	2	3	3	3	3	3	3	3	3	2	3	2	2	3	2	4	5	5	3	3
5	5	4	4	4	4	4	5	6	6	6	6	5	4	3	3	4	4	3	4	4	4	2	3	3	4
6	5	4	3	4	4	4	4	4	4	4	5	4	4	3	3	3	3	2	2	2	2	2	2	2	3
7	2	2	3	2	4	5	7	7	6	4	4	3	3	3	3	3	3	2	2	3	3	3	2	2	2
8	2	2	1	2	2	2	2	3	2	2	2	2	1	1	3	3	3	3	3	3	2	2	2	2	1
9	2	2	1	1	1	2	1	2	2	1	1	2	1	1	1	1	1	1	1	1	2	2	2	2	2
10	2	2	1	1	1	2	3	2	2	2	2	2	3	2	3	3	3	3	2	2	2	2	2	2	2
11	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	4	3	3	3	3	3	2
12	3	3	3	3	3	3	4	4	3	3	3	3	3	3	3	4	3	3	3	3	4	3	4	5	3
13	5	4	4	4	5	5	4	3	3	3	4	4	4	4	4	4	4	4	2	2	5	7	6	6	4
14	6	3	3	2	2	3	4	3	2	2	2	2	2	2	2	2	2	2	4	5	5	4	3	3	3
15	3	3	3	2	2	2	3	4	3	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2
16	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	2	2	1	1	2	2	2	2	2	2	2	2	3	3	3	3	3	3	4	4	4	4	4	4	3
18	3	3	3	3	3	3	3	5	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
19	4	2	2	2	3	3	5	6	6	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4
20	5	5	4	4	4	4	4	4	5	6	6	6	4	4	4	5	6	6	4	3	6	6	4	5	5
21	3	3	3	3	3	3	3	4	4	3	3	2	2	2	2	2	2	2	2	2	3	4	3	2	3
22	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
24	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
25	2	2	2	2	2	2	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
26	4	3	3	1	2	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	2	2	2	2	2
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
30	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
MEAN	3	2	2	2	2	3	3	3	3	3	3	3	3	2	2	3	2	3	3	3	3	3	3	3	2.7

PERCENTAGE OF DATA VALID - 95.6 PERCENTAGE OF DATA INVALID - 4.4 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. \*\* INDICATES DATA IS UNAVAILABLE  
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION											
STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE															MONTH - AUG 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	3	3	3	3	2	3	3	4	3	3	3	4	4	4	3	4	3	2	3	3	5	6	5	5	4	
2	5	4	3	3	3	3	4	4	4	3	4	4	4	5	4	3	2	2	2	2	1	3	2	2	3	
3	1	1	2	2	2	3	4	4	4	3	3	3	3	3	3	4	4	3	3	4	2	2	2	2	3	
4	2	2	2	1	1	2	2	2	2	2	2	2	3	2	2	2	2	2	2	3	3	3	2	2	2	
5	3	2	2	2	2	2	2	2	2	3	3	2	1	1	1	1	1	2	1	1	1	1	2	4	2	
6	4	4	4	3	3	3	3	3	3	3	2	2	2	1	1	1	1	1	2	3	2	6	7	6	3	
7	7	6	5	5	4	4	4	5	5	5	1	1	1	1	2	1	1	2	2	2	2	3	5	5	3	
8	4	3	2	3	4	4	4	4	3	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2	
9	1	1	1	1	1	1	2	3	3	3	3	3	3	4	4	4	4	3	2	2	2	2	2	2	2	
10	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	1	1	1	2	3	2	2	2	
11	3	2	2	2	2	2	2	3	5	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
12	- DATA INVALID -																									
13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7	5	4	4	
14	4	3	3	3	3	3	4	5	6	5	4	4	3	3	2	2	2	2	3	2	2	3	5	5	3	
15	3	2	4	3	4	3	3	3	3	3	3	3	3	4	3	3	4	6	5	5	4	2	2	3	3	
16	2	2	3	2	2	2	3	3	3	3	2	2	3	3	3	2	2	1	1	2	3	3	3	2	2	
17	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	
18	2	2	2	1	1	1	2	2	2	2	2	2	3	4	3	3	2	1	1	1	1	1	1	1	2	
19	2	2	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	3	2	2	1	1	1	2	
20	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	
21	2	1	1	1	1	2	2	2	3	3	4	4	6	5	3	3	3	2	2	2	2	2	2	2	3	
22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
23	4	4	4	3	4	4	4	6	7	7	7	7	3	3	3	4	5	4	2	3	4	4	4	4	4	
24	7	5	2	2	4	4	6	7	7	6	6	6	6	6	6	5	4	3	2	2	2	2	2	2	4	
25	2	1	1	1	1	1	2	2	2	2	2	2	4	3	3	5	7	6	5	6	8	8	5	4	4	
26	4	3	3	2	2	2	3	3	3	3	3	3	2	2	2	2	2	2	2	6	7	8	6	4	3	
27	3	3	3	3	2	1	2	2	1	1	1	1	1	1	1	2	2	2	1	1	1	1	2	1	2	
28	1	1	1	1	1	2	3	3	3	4	3	3	3	3	2	3	4	3	2	2	3	3	3	3	2	
29	2	2	2	1	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
30	3	3	2	2	2	3	3	4	3	4	5	4	4	4	4	4	4	4	4	4	4	5	4	3	4	
31	3	3	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	3	2	3	4	5	6	4	4
MEAN	3	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	2	2	3	3	3	3	3	2.8	

PERCENTAGE OF DATA VALID - 89.5

PERCENTAGE OF DATA INVALID - 10.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE															MONTH - SEP 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	2	2	2	3	3	3	4	4	4	6	5	4	4	4	4	3	4	4	3	3	5	5	4
2	5	4	4	4	4	4	4	4	4	4	3	2	2	2	2	1	2	2	2	2	3	3	3	2	3
3	2	4	2	1	1	3	2	1	2	3	3	3	4	2	2	2	2	3	2	2	2	2	2	2	2
4	2	1	1	1	1	1	1	1	2	2	2	2	3	1	1	1	1	2	3	4	3	3	3	3	2
5	3	3	3	3	3	4	4	4	4	4	4	5	4	4	5	6	5	4	4	4	4	4	3	4	5
6	5	4	3	3	3	4	6	6	6	6	6	5	5	5	5	7	4	4	6	6	3	6	4	4	5
7	3	2	2	2	3	4	3	3	3	2	2	3	2	2	2	3	2	1	2	2	1	1	1	1	2
8	1	1	3	2	2	2	3	3	3	3	2	2	3	3	3	3	3	4	4	4	4	3	3	3	3
9	3	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	3	4	3	2	2	2	2
10	2	2	2	2	2	2	2	2	1	1	****	3	3	2	2	2	2	4	3	4	3	4	4	4	3
11	4	4	3	3	4	5	5	5	6	8	9	10	7	5	4	5	3	4	6	5	6	5	6	4	5
12	4	4	4	3	2	3	3	3	3	3	****	****	2	3	3	3	3	2	3	3	3	3	3	3	3
13	2	2	1	1	2	3	2	2	3	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	2
14	1	1	1	2	2	2	2	3	3	3	3	3	3	3	3	4	4	4	4	4	4	3	2	3	3
15	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	3	3	4	3	3	2	3	4	3
16	3	3	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	3	2	2	2	2	2	2
17	2	2	2	2	2	2	2	2	2	1	1	****	2	1	1	1	2	2	2	2	2	2	2	2	2
18	2	2	2	2	1	2	3	3	2	2	2	2	2	3	2	3	2	2	2	3	2	3	3	3	2
19	3	2	2	2	2	3	3	3	4	****	5	5	4	3	3	3	4	4	4	4	4	4	4	4	3
20	3	3	3	3	4	4	4	4	3	3	3	3	3	3	4	5	4	3	5	4	6	6	6	6	4
21	5	5	5	5	4	5	6	6	5	4	4	3	****	****	2	3	3	3	3	2	2	2	2	2	4
22	1	1	1	1	2	2	2	2	2	3	****	3	4	3	3	3	3	3	3	3	3	3	3	2	2
23	2	2	2	2	2	2	2	3	4	3	3	2	2	1	2	2	2	4	5	5	5	3	2	4	3
24	4	4	3	3	3	3	3	3	3	3	****	3	3	3	3	4	5	6	7	6	6	6	5	4	4
25	2	1	1	2	2	2	3	3	2	3	3	3	2	2	3	3	3	3	3	3	3	3	3	3	2
26	3	2	2	2	3	4	4	5	7	4	3	3	3	3	3	3	3	4	3	2	2	2	2	3	3
27	5	4	4	3	3	3	4	4	4	4	4	3	4	4	5	4	5	5	5	4	3	2	2	2	4
28	2	1	1	1	2	2	3	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	2
29	3	2	2	2	2	2	3	5	5	****	3	3	3	3	3	3	3	2	2	2	2	2	2	3	3
30	3	3	3	4	3	3	3	2	3	2	2	2	2	2	2	2	3	4	4	5	2	1	2	1	3
MEAN	3	3	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	3	3	3	3.0

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE														MONTH - OCT 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	1	2	2	2	2	2	2	2	2	2	3	3	2	3	3	2	3	3	3	3	3	2
2	2	2	2	2	2	3	4	4	4	3	3	3	3	3	4	4	4	5	5	5	5	5	5	6	4
3	5	5	4	4	2	2	3	3	3	2	***	2	3	3	3	4	3	2	2	2	2	3	3	3	3
4	3	3	3	2	2	4	4	5	4	3	***	***	***	1	1	1	1	1	***	***	3	3	3	3	3
5	2	2	2	2	2	2	2	2	2	2	2	***	***	5	5	5	6	5	4	4	4	5	5	4	4
6	4	5	4	4	4	4	4	4	4	***	3	3	3	3	3	3	4	4	4	4	3	3	3	2	4
7	2	2	2	2	2	3	3	3	3	***	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
9	2	2	2	2	2	2	2	2	2	3	2	1	1	1	1	1	1	2	3	2	3	3	3	2	2
10	2	2	2	2	2	2	3	3	3	3	***	5	5	5	6	7	7	6	5	5	6	5	6	6	4
11	5	5	5	5	5	4	4	4	4	4	5	5	5	5	5	6	5	5	5	4	4	5	3	3	5
12	2	2	2	2	3	4	4	4	4	3	3	3	4	4	4	5	5	5	5	4	4	4	4	4	4
13	4	4	3	3	3	3	3	3	3	***	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
14	3	3	2	3	2	2	3	2	2	***	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3
15	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	3	3
16	4	4	3	3	3	4	3	4	4	4	***	4	4	3	3	4	4	4	4	4	3	4	4	4	4
17	3	3	3	3	3	3	3	2	3	4	4	4	4	5	4	4	3	4	4	4	4	4	4	4	4
18	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	4	4	4	4	3	3	3	3
19	4	3	3	2	2	2	2	2	2	3	***	3	2	2	2	3	3	3	3	4	4	3	3	3	3
20	2	2	2	2	2	3	3	4	4	4	4	3	3	3	3	3	3	4	4	3	3	3	3	3	3
21	3	3	3	3	3	3	3	4	3	3	4	3	3	3	3	3	3	3	3	3	4	4	4	3	3
22	3	3	3	2	2	2	2	2	2	3	3	3	4	3	3	2	3	5	4	3	4	5	4	3	3
23	3	1	2	1	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	2
24	3	3	3	3	3	3	4	4	3	2	3	3	3	2	2	2	2	2	2	2	2	3	3	3	3
25	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	4	3	3	3	2	2	3	2	2
26	1	2	2	2	2	3	2	2	2	2	2	3	2	2	2	3	3	3	3	2	3	2	2	2	2
27	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	2	2	2
28	3	3	3	2	2	2	2	***	2	3	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2
29	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	3	2
30	2	2	2	2	3	2	2	3	3	2	2	2	2	2	3	4	4	4	3	4	4	3	4	4	3
31	4	3	3	3	2	3	3	4	3	4	4	4	***	4	4	4	4	3	3	3	3	3	3	3	3
MEAN	3	3	3	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3.0

PERCENTAGE OF DATA VALID - 97.8

PERCENTAGE OF DATA INVALID - 2.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE															MONTH - NOV 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	3	2	2	2	3	3	4	4	****	2	2	2	3	3	3	3	4	3	3	3	3	3
2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	3
3	5	5	4	5	5	3	3	3	4	6	5	5	5	4	4	4	4	4	5	5	5	6	6	6	4
4	5	5	5	5	5	4	5	5	4	4	5	5	5	5	5	6	5	5	5	6	5	4	4	4	5
5	4	4	4	4	4	4	4	5	5	4	4	3	3	4	4	3	3	5	5	5	5	4	4	4	4
6	2	2	2	2	2	2	3	4	4	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	3
7	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	3	2	2	3	2	2	2	2
8	2	2	2	3	2	2	3	3	5	4	4	5	4	3	2	2	3	3	3	3	3	2	3	3	3
9	2	3	2	2	1	1	2	3	2	2	2	3	2	3	3	4	4	3	3	3	3	2	2	2	2
10	3	3	3	3	2	2	2	2	3	3	3	****	4	4	4	4	4	4	4	4	3	3	3	3	3
11	3	3	3	3	3	3	4	4	4	3	4	4	4	4	5	6	5	4	4	3	2	2	2	2	4
12	2	2	2	2	1	1	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
13	4	3	3	2	3	3	3	3	2	2	2	***	3	3	3	3	2	2	2	2	3	3	3	4	3
14	4	4	4	4	4	4	3	3	4	4	3	***	2	2	2	2	1	2	2	2	2	2	2	2	2
15	2	2	1	1	1	2	2	2	2	2	2	2	3	3	3	3	3	3	4	3	3	3	3	3	3
16	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	3	3	3	2	3	3
17	2	2	2	2	2	2	2	3	2	2	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2
18	2	2	2	2	1	1	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	2	2	2	2
19	3	2	2	1	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2
20	2	2	2	1	1	2	2	3	3	3	3	3	3	3	3	3	3	2	2	2	3	3	3	3	2
21	3	3	3	3	2	3	3	2	2	3	3	3	4	4	4	3	4	4	4	3	3	3	3	3	3
22	3	3	3	3	2	3	3	3	3	3	3	***	3	3	3	4	3	3	3	4	3	3	3	3	3
23	3	3	3	3	3	3	3	2	2	3	3	3	3	3	***	3	3	3	3	3	3	3	3	3	3
24	3	3	3	3	3	3	3	2	2	2	2	2	2	2	***	3	3	3	3	3	3	3	3	3	3
25	3	3	3	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3
26	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	3	4	3	3
27	1	2	3	2	2	3	2	2	2	2	2	2	3	2	2	2	2	3	2	3	3	2	2	2	2
28	2	2	2	2	2	2	2	2	2	3	3	3	3	3	4	3	3	3	3	3	3	3	3	3	3
29	2	2	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
30	2	2	2	1	1	2	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	3	4	3	3
MEAN	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3.0

PERCENTAGE OF DATA VALID - 98.9

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION													
STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE															MONTH - DEC 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN			
1	4	4	4	4	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	3	3	3	4			
2	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	4			
3	- DATA INVALID -																											
4	- DATA INVALID -																											
5	3	3	2	1	2	2	2	3	3	2	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3			
6	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3			
7	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4			
8	3	4	4	3	4	4	4	4	3	4	3	2	3	3	3	3	3	3	3	3	3	3	4	3	3			
9	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	3	4	3	3	2	3	3	3			
10	2	3	3	2	2	2	1	2	2	2	3	3	3	3	3	3	3	4	3	3	3	2	3	3	3			
11	3	2	2	2	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3			
12	4	4	4	3	3	4	3	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	4			
13	3	3	3	3	- DATA INVALID -				4	- DATA INVALID -				3	3	4	4	4	4	3	3	3	4	3	3			
14	4	3	3	2	2	3	4	4	4	4	4	3	3	3	3	3	3	3	3	2	2	2	2	2	3			
15	2	2	2	1	1	1	2	2	3	3	2	3	3	3	3	3	3	3	3	3	3	3	4	4	3			
16	4	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	3	4			
17	3	3	3	3	3	2	1	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3			
18	3	2	2	2	2	2	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3			
19	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3			
20	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3			
21	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	3	3			
22	4	3	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3			
23	3	2	2	2	2	2	1	2	2	3	3	3	3	3	3	3	3	3	4	3	4	3	3	3	3			
24	3	2	3	3	3	1	1	2	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	3			
25	2	2	3	3	3	3	3	3	2	2	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3			
26	3	2	2	1	1	1	1	1	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	2			
27	3	3	3	3	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3			
28	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	3	3	3	3	3	3	3	3	3			
29	3	3	3	3	3	3	3	2	2	2	3	3	3	3	2	2	2	2	2	2	2	1	1	1	2			
30	1	1	1	1	1	2	2	2	2	3	- DATA INVALID -														- DATA INVALID -			
31	- DATA INVALID -																											
MEAN	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3.0			

PERCENTAGE OF DATA VALID - 87.4 PERCENTAGE OF DATA INVALID - 12.6 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
2. \*\* INDICATES DATA IS UNAVAILABLE
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION									
STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE																								
MONTH	NO OF DAYS					AVERAGE CONCENT					24-HOUR MAXIMUM					MAXIMUM READING								
JAN	29					3.2					5					8								
FEB	23					4.3					6					8								
MAR	28					4.3					6					13								
APR	30					3.9					5					6								
MAY	31					4.4					7					12								
JUN	28					3.5					6					9								
JUL	29					2.7					5					7								
AUG	27					2.8					4					8								
SEP	30					3.0					5					10								
OCT	31					3.0					5					7								
NOV	30					3.0					5					6								
DEC	26					3.0					4					4								
YEAR	342					3.4					7					13								

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE

MONTH	00 TO 01	02 TO 03	04 TO 05	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	17	442	260	2	0	0	0	721
FEB	7	132	407	23	0	0	0	569
MAR	30	163	444	45	4	0	0	686
APR	14	222	470	5	0	0	0	711
MAY	34	206	391	93	3	0	0	727
JUN	74	262	328	25	0	0	0	689
JUL	110	442	155	4	0	0	0	711
AUG	117	387	146	16	0	0	0	666
SEP	52	468	183	7	0	0	0	710
OCT	20	516	190	2	0	0	0	728
NOV	18	543	151	0	0	0	0	712
DEC	22	501	127	0	0	0	0	650
YEAR	515	4284	3252	222	7	0	0	8280

## FREQUENCY DISTRIBUTION BY PERCENTILES

FREQUENCY DISTRIBUTION PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
94.5	0	1.2	2.1	2.7	3.5	4.8	5.6	6.5	7.1	13	3.4

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44010 1298 REBECCA ST OAKVILLE

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	2	2	1	1	1	1	1	1	3	2	1	1	1	1	1	1
2	1	2	1	1	1	1	1	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
3	2	2	2	2	2	2	3	3	2	2	2	1	1	1	1	2	3	3	3	3	3	3	3	3	3
4	3	3	3	3	3	2	3	3	3	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3
5	4	3	3	3	3	3	3	3	4	4	4	3	3	4	4	5	5	5	5	5	5	5	5	5	4
6	4	3	1	1	1	2	2	1	1	1	1	1	1	0	0	0	2	3	3	3	2	3	3	3	2
7	1	1	2	3	3	3	3	3	3	2	1	1	1	3	2	2	2	2	2	2	2	1	1	1	2
8	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	0	0	0	1	1	3	2	2	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	2	1	1	1	2	2	2	1	1	1	2	2	3	3	3	3	3	3	3	3	3	2
12	2	2	1	1	1	1	3	4	4	4	3	3	4	4	4	5	5	5	5	5	5	5	5	5	4
13	5	4	4	4	4	4	3	2	2	2	1	1	2	2	3	3	4	4	4	4	3	2	2	3	3
14	3	3	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2	2	2	1
15	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1
16	1	1	1	1	1	1	2	2	3	3	3	2	3	2	2	2	2	3	3	3	4	4	4	4	2
17	4	4	4	4	4	3	4	4	4	4	5	6	5	5	5	2	2	2	2	1	2	2	2	3	3
18	3	3	2	2	2	0	1	2	2	1	1	1	2	2	2	3	4	5	5	4	4	5	4	2	4
19	4	4	4	4	4	4	4	4	4	4	4	5	5	3	3	4	5	5	5	5	5	5	5	5	3
20	0	0	0	0	0	0	0	0	1	2	2	3	3	3	3	4	4	4	4	4	4	3	3	2	2
21	1	1	1	1	1	1	1	1	1	2	2	2	1	2	2	3	3	4	5	5	5	4	4	4	2
22	4	3	3	3	2	2	2	3	3	2	2	2	3	3	3	3	3	4	4	3	3	4	4	4	3
23	4	4	4	4	3	4	4	4	3	3	3	3	3	2	3	4	5	5	5	5	5	5	4	4	4
24	5	5	4	5	5	5	5	5	5	5	5	5	5	5	4	5	5	5	5	5	5	5	5	5	5
25	4	4	3	4	3	4	4	4	4	5	5	5	5	5	4	3	3	3	2	2	2	2	1	1	3
26	1	1	2	2	2	2	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	- DATA INVALID -																								
29	- DATA INVALID -																								
30	.....																								
31	2	2	2	2	2	2	2	3	3	3	3	2	2	2	2	3	3	3	3	3	3	3	3	3	3
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	2.4

PERCENTAGE OF DATA VALID - 89.4

PERCENTAGE OF DATA INVALID - 10.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 44010 1298 REBECCA ST OAKVILLE															MONTH - FEB 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	2	2	2	3	3	2	2	2	2	2	1	2	3	3	3	3	3	3	3	3	2
2	4	4	4	4	4	4	4	5	5	6	6	5	6	***	4	5	5	5	6	6	4	4	5	4	5
3	3	2	2	3	3	3	3	4	4	3	3	3	2	2	2	2	2	4	4	4	4	4	4	3	3
4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	4	4	4	4	4	4	3
5	5	4	4	4	3	3	2	1	1	1	1	1	1	1	1	3	4	4	4	3	3	3	2	2	3
6	3	2	2	2	2	2	1	2	2	3	2	2	***	1	1	1	2	2	1	1	1	1	1	1	2
7	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1
8	2	1	1	1	1	1	2	3	3	3	3	2	2	2	2	***	4	5	5	4	5	4	5	4	3
9	3	2	2	1	1	1	4	4	4	3	2	2	***	3	3	3	3	4	4	5	4	3	4	4	3
10	3	3	3	2	2	3	4	4	5	3	3	1	2	1	2	2	2	4	3	3	2	2	3	3	3
11	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2	1	2	2
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	
13	1	2	1	1	2	2	2	3	3	3	4	2	***	1	1	1	1	1	1	3	4	4	3	3	2
14	3	4	3	3	2	2	2	3	3	3	3	2	3	2	1	1	2	2	4	4	4	4	4	4	3
15	3	3	3	3	3	3	3	3	3	4	4	3	2	3	2	3	3	3	3	4	7	7	7	6	4
16	6	6	6	6	5	5	3	4	4	5	4	4	3	3	2	2	2	2	4	4	4	4	4	3	4
17	3	2	2	2	2	2	3	3	3	3	2	2	2	***	2	2	2	3	4	4	5	5	5	5	3
18	5	5	5	4	3	4	4	4	3	3	3	2	2	2	2	2	2	3	4	4	4	4	4	3	2
19	4	4	3	3	3	2	2	2	1	1	1	1	1	1	1	1	1	1	2	3	3	3	3	2	2
20	4	4	3	4	4	4	4	4	5	6	6	4	***	4	4	3	2	4	6	7	8	6	6	5	5
21	4	3	3	2	2	2	3	5	6	5	4	2	2	2	1	1	2	4	4	5	4	3	3	2	3
22	2	2	2	2	1	1	2	3	3	2	1	1	1	1	1	1	1	2	2	3	3	3	2	3	2
23	4	3	3	3	3	3	3	4	4	4	4	4	***	2	3	3	3	3	4	4	3	3	3	3	3
24	3	3	3	2	2	1	1	2	2	2	1	1	1	1	1	2	3	4	3	3	3	3	3	2	2
25	2	2	1	1	1	1	1	0	1	1	0	1	1	1	2	3	2	3	3	3	3	3	3	2	2
26	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	2	2	2	2	1
27	3	2	2	2	2	2	2	3	3	2	2	***	1	1	1	1	1	1	2	3	4	3	2	2	2
28	3	3	2	3	4	4	4	4	4	5	4	2	2	2	2	1	2	2	2	5	6	6	6	5	3
MEAN	3	3	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2	3	3	4	4	3	3	3	2.7

PERCENTAGE OF DATA VALID - 98.7 PERCENTAGE OF DATA INVALID - 1.3 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION												
STATION - C NO 44010 1298 REBECCA ST OAKVILLE															MONTH - MAR 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	5	5	4	3	2	2	2	5	5	3	3	2	2	1	1	1	2	3	4	4	3	2	3	3	3		
2	2	2	2	1	1	1	2	3	4	4	3	2	2	1	1	1	1	2	3	4	5	5	5	5	3		
3	5	5	4	3	4	4	2	1	0	0	0	0	1	1	1	2	3	3	4	4	3	2	3	2	2		
4	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	3	2	1		
5	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	2	3	2	2		
6	3	3	2	3	4	4	5	6	5	3	3	3	-	3	3	3	4	4	7	7	6	6	5	5	4		
7	4	3	2	2	2	2	4	4	4	4	3	2	2	1	1	1	2	3	4	4	4	4	3	3	3		
8	3	3	3	3	3	3	3	4	4	6	3	1	1	0	0	0	0	0	1	4	5	5	4	4	3		
9	4	4	4	4	4	4	4	4	5	6	4	5	4	5	4	3	3	5	5	5	4	3	3	4	4		
10	6	7	7	6	6	3	5	***	5	6	5	***	***	***	***	***	***	***	***	***	***	***	***	***	***		
11	- DATA INVALID -																										
12	- DATA INVALID -																										
13	- DATA INVALID -																										
14	- DATA INVALID -																										
15	- DATA INVALID -																										
16	- DATA INVALID -																										
17	- DATA INVALID -																										
18	- DATA INVALID -																										
19	- DATA INVALID -																										
20	- DATA INVALID -																										
21	- DATA INVALID -																										
22	- DATA INVALID -																										
23	- DATA INVALID -																										
24	- DATA INVALID -																										
25	- DATA INVALID -																										
26	- DATA INVALID -																										
27	- DATA INVALID -																										
28	- DATA INVALID -																										
29	- DATA INVALID -																										
30	- DATA INVALID -																										
31	- DATA INVALID -																										
MEAN	4	4	3	3	3	3	3	3	3	3	3	2	2	2	1	1	2	2	4	4	4	4	4	3	2.9		

PERCENTAGE OF DATA VALID - 30.2 PERCENTAGE OF DATA INVALID - 69.6 PERCENTAGE OF DATA UNAVAILABLE - 0.1

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44010 1298 REBECCA ST OAKVILLE

MONTH - APR 78

STATION - C NO 44070		100 MILES																							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4	2	1	2	2	2	2	2	2	2	1	1	1	2	2	2	2	2	3	4	4	4	3	3	2	2
5	2	2	1	1	2	1	2	2	2	2	2	2	1	1	0	0	0	0	0	0	0	0	0	0	1
6	3	3	3	3	3	3	3	3	2	2	2	2	1	1	0	1	2	2	2	2	2	1	1	1	2
7	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2
8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	5	4	3	2
9	3	4	3	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	2	1	1	1	1	2	3	3	2	2	2	2	2	2	3	3	4	4	1	1	2
12	2	1	1	1	1	1	2	3	1	2	2	2	1	1	1	1	2	3	3	3	2	2	2	3	2
13	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	1	1	2
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2	3	3	3	2	2	2
15	3	2	3	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2
16	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	5	6	5	4	3
17	2	2	2	2	2	3	3	2	3	3	3	3	2	2	2	2	2	2	1	1	1	1	1	1	2
18	4	4	3	4	4	4	4	3	3	3	3	3	2	2	2	2	2	2	1	1	1	1	1	1	2
19	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	2
20	1	1	2	3	3	2	3	3	3	2	2	2	2	2	2	3	3	2	3	3	2	2	2	2	2
21	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	2	3	3	3	2	2	2
22	1	1	1	1	1	1	0	0	0	2	0	0	0	0	0	0	1	1	1	2	3	3	2	3	3
23	4	4	3	3	3	3	1	1	2	1	2	1	1	1	1	1	1	1	2	4	5	4	4	4	3
24	4	4	3	3	3	3	3	3	2	2	2	1	1	2	2	2	2	2	4	5	5	5	4	4	3
25	3	3	3	3	3	3	4	4	4	2	1	1	1	1	1	1	1	1	1	1	1	1	3	5	2
26	3	5	5	5	4	4	4	2	1	1	1	1	1	1	1	1	1	1	1	7	8	6	5	4	3
27	3	2	3	2	2	2	3	4	3	3	4	4	2	1	1	1	1	1	3	4	3	3	1	1	2
28	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	2	4	6	5	5	5	5	2
29	4	4	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	2	2	1
30	2	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	2	2	2
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	2	3	3	3	2	2	2.0

PERCENTAGE OF DATA VALID - 90.6

PERCENTAGE OF DATA INVALID - 9.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.    "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44010 1298 REBECCA ST OAKVILLE

MONTH - MAY 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	2	2	1	1	1	....	1	1	1	1	1	1	1	2	2	2	2	2	2	1
2	1	1	2	3	3	4	3	2	1	1	1	1	1	2	1	1	1	1	2	3	3	3	2	1	2
3	1	1	1	2	2	3	3	3	3	3	2	2	2	2	2	2	2	1	2	2	3	4	4	4	1
4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	2	2	2	1	1	1	1	1	1	1	1	2	2	3	3	4	4	4	4	4	2	2
6	1	1	2	2	2	2	2	2	2	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1
7	4	3	3	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	2	2	1	1	2
9	2	2	2	2	2	2	3	3	3	3	1	1	1	1	1	1	1	1	1	2	2	3	3	4	1
10	1	1	1	1	1	2	2	1	1	0	0	....	1	1	1	1	1	1	1	2	2	3	3	4	2
11	4	4	4	4	3	4	3	2	1	2	2	2	3	2	2	2	2	2	2	3	3	4	4	1	3
12	3	2	2	2	1	2	5	4	2	....	1	1	1	2	2	2	2	2	1	1	1	4	4	2	2
13	3	2	2	1	1	1	1	1	1	1	1	1	3	3	2	2	2	4	3	2	1	1	1	2	2
14	1	1	1	1	1	1	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	4	4	2	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	....	1	1	1	1	1	1	1	1	2	1	1	1
17	1	1	1	1	2	3	3	3	1	1	1	3	4	2	2	3	3	4	5	5	5	5	4	4	3
18	2	3	2	1	3	3	3	4	4	4	....	1	1	1	1	1	1	2	3	6	6	6	6	5	3
19	4	4	4	4	4	4	4	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
20	4	4	4	3	4	4	4	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
21	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	4	3	4	3	2
22	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	2	4	5	4	4	2
23	4	3	3	3	3	4	4	4	3	2	2	....	2	2	2	2	2	2	2	1	2	5	6	5	3
24	5	2	1	2	3	5	3	5	7	4	2	2	1	1	1	1	1	1	2	2	7	6	6	6	3
25	5	5	3	3	4	5	5	4	3	2	2	1	2	2	2	2	2	2	2	2	8	6	5	5	4
26	5	4	4	4	4	5	5	4	4	2	4	3	....	2	2	2	2	2	2	2	3	7	6	5	6
27	5	5	4	4	3	4	5	2	2	2	2	2	2	1	1	1	1	1	1	2	5	6	6	6	3
28	6	6	2	2	2	3	4	2	1	2	1	1	1	1	1	1	1	1	1	3	4	4	4	4	3
29	6	5	4	4	2	2	4	4	3	3	2	....	1	1	1	1	1	1	1	1	1	1	1	1	2
30	4	3	3	3	2	2	4	4	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	1	3	2	2	1	2	2	1	1	1	1	1	....	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	3	3	2	2	2	3	3	2	2	2	1	1	1	1	1	1	1	2	2	2	3	3	3	3	2.1

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.     \* - \* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY







POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION											
STATION - C NO 44010 1298 REBECCA ST OAKVILLE													MONTH - OCT 78											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	1	1	1	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	1	1	2	2	2	3	***	3	2	2	2	2	2	2	3	3	3	2
3	3	3	3	2	2	2	1	1	2	2	2	2	2	2	1	1	1	1	0	0	1	1	2	2
4	0	0	0	0	0	1	2	2	1	1	1	0	0	1	1	1	1	1	1	2	2	1	1	1
5	1	1	1	1	1	1	0	0	1	0	0	0	0	1	0	0	0	0	1	1	1	1	1	1
6	1	1	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
7	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0
8	1	1	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	2	2	2	2	2	1	1
9	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	2	2	2	2	1
10	1	1	1	1	1	2	3	2	2	2	2	1	1	1	1	3	3	4	4	4	4	4	4	2
11	3	3	3	2	2	3	3	3	5	5	3	2	***	2	1	1	1	3	3	4	4	2	1	3
12	1	1	0	0	1	2	1	1	1	1	1	1	1	1	2	3	3	2	1	2	2	2	1	1
13	2	1	1	1	1	1	1	2	2	1	1	***	1	1	1	1	2	2	1	1	1	2	1	1
14	1	0	0	0	0	0	0	0	1	1	1	1	1	1	0	1	1	1	1	1	1	2	1	1
15	2	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	1
16	2	2	2	2	2	1	2	3	3	1	0	***	0	0	0	0	0	0	2	3	2	2	2	1
17	2	2	1	1	1	2	2	2	2	1	1	1	1	1	0	0	0	0	2	3	3	3	3	1
18	2	2	2	2	2	2	3	3	3	3	2	2	1	1	2	2	2	2	2	2	2	2	2	2
19	2	2	2	2	2	2	2	3	2	2	2	2	***	2	2	2	3	3	4	4	3	1	2	1
20	2	1	1	2	2	2	4	4	3	2	3	3	3	2	1	2	3	4	4	4	4	4	4	3
21	3	3	3	2	2	2	3	2	***	3	3	2	2	2	2	3	3	3	2	2	2	2	2	2
22	2	2	1	1	1	1	1	1	1	2	2	1	2	2	2	2	2	3	3	3	3	3	2	2
23	3	1	1	0	0	1	2	1	1	1	1	***	1	1	1	1	1	2	1	2	4	4	3	1
24	3	3	2	2	2	2	4	5	4	3	1	1	0	1	1	2	2	2	3	3	7	7	4	3
25	2	1	1	2	3	3	3	3	3	3	3	3	3	3	3	3	5	4	2	2	2	2	2	3
26	2	2	1	1	1	2	3	2	2	2	2	2	2	2	3	3	2	3	3	3	3	3	2	2
27	2	2	1	1	1	2	3	3	2	2	2	1	1	1	1	2	3	4	4	4	3	3	3	2
28	3	3	2	2	2	2	3	2	2	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1
29	2	1	1	1	1	1	1	1	1	2	1	0	0	0	0	0	0	0	2	4	0	0	0	1
30	0	1	1	1	1	2	3	8	8	2	1	1	***	1	1	1	2	4	11	14	14	14	7	3
31	3	2	3	3	3	3	4	5	5	4	4	4	3	4	4	3	3	3	2	2	2	3	3	3
MEAN	2	2	1	1	1	2	2	2	2	2	1	1	1	1	1	2	2	2	3	3	3	2	2	1.8

PERCENTAGE OF DATA VALID - 98.9 PERCENTAGE OF DATA INVALID - 1.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION											
STATION - C NO 44010 1298 REBECCA ST OAKVILLE													MONTH - NOV 78											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	1	1	1	2	4	6	4	3	1	1	1	1	1	3	5	8	5	5	5	4	3
2	3	3	3	2	2	2	3	3	4	3	3	3	3	2	2	3	6	8	9	6	7	7	6	4
3	7	6	7	5	4	4	6	6	7	5	6	***	7	5	3	3	3	6	7	6	5	4	3	5
4	4	4	4	5	5	5	6	6	5	4	4	4	4	3	3	3	5	9	10	8	5	3	5	5
5	5	7	7	7	6	5	5	6	5	5	4	3	2	2	2	2	2	3	2	2	1	1	1	4
6	2	2	2	1	1	1	2	2	2	2	1	1	1	1	2	1	2	5	8	5	3	2	3	2
7	3	3	2	1	1	1	2	4	7	9	8	5	4	2	3	2	2	2	2	3	3	2	3	4
8	2	2	1	1	1	1	1	1	1	3	2	2	2	2	2	4	5	4	5	6	4	4	5	3
9	10	6	6	5	5	6	6	10	15	14	8	4	***	1	2	2	2	2	2	2	2	2	2	5
11	2	2	2	2	3	3	3	3	3	3	2	2	2	2	3	3	3	2	2	1	1	1	1	2
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1
13	2	1	1	0	1	0	0	1	1	0	0	0	0	0	1	1	1	2	2	4	3	2	3	1
14	2	2	2	2	1	2	1	2	2	1	1	1	***	1	1	1	1	1	1	1	1	0	0	1
15	1	1	1	1	0	0	1	2	1	1	1	1	1	1	1	2	3	4	5	4	4	3	2	2
16	2	2	2	2	1	2	2	2	2	1	2	1	1	0	0	0	0	0	0	0	0	0	0	1
17	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1
18	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	0	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	2	2	2	1	1
20	2	0	0	0	0	0	1	2	2	1	2	2	3	2	3	3	3	3	3	4	3	3	3	2
21	1	1	1	0	0	0	2	2	3	3	4	3	3	1	0	0	1	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
23	2	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	2	2	2	2	1
24	2	2	2	1	1	2	2	2	1	1	1	0	***	1	1	1	1	1	1	1	1	1	1	1
25	0	0	0	0	0	0	0	0	0	2	1	1	2	2	2	2	2	1	1	2	2	2	1	1
26	1	2	2	1	1	1	1	1	1	1	1	2	2	3	3	2	2	3	3	3	***	***	***	2
27	0	0	0	0	0	0	0	0	0	0	0	0	***	1	1	1	1	1	2	2	2	2	1	1
28	1	1	1	1	1	1	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2
29	2	2	2	2	2	2	2	2	3	2	1	***	***	2	2	3	3	3	3	3	2	2	2	2
30	2	2	1	2	2	1	1	1	1	1	1	0	1	1	1	1	3	3	3	4	3	3	3	2
MEAN	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	3	3	3	2	2	2	2.0

PERCENTAGE OF DATA VALID - 98.6 PERCENTAGE OF DATA INVALID - 1.4 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 44010 1298 REBECCA ST OAKVILLE															MONTH - DEC 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	3	1	2	2	1	1	2	4	****	****	****	-	-	-	-	-	-	-	-	-	-	-	-	*****
2													- DATA UNAVAILABLE -												
3													- DATA UNAVAILABLE -												
4													- DATA UNAVAILABLE -												
5													- DATA UNAVAILABLE -												
6													- DATA UNAVAILABLE -												
7													- DATA UNAVAILABLE -												
8													- DATA UNAVAILABLE -												
9													- DATA UNAVAILABLE -												
10													- DATA UNAVAILABLE -												
11													- DATA UNAVAILABLE -												
12													- DATA UNAVAILABLE -												
13													- DATA UNAVAILABLE -												
14													- DATA UNAVAILABLE -												
15													- DATA UNAVAILABLE -												
16													- DATA UNAVAILABLE -												
17													- DATA UNAVAILABLE -												
18													- DATA UNAVAILABLE -												
19													- DATA UNAVAILABLE -												
20													- DATA UNAVAILABLE -												
21													- DATA UNAVAILABLE -												
22													- DATA UNAVAILABLE -												
23													- DATA UNAVAILABLE -												
24													- DATA UNAVAILABLE -												
25													- DATA UNAVAILABLE -												
26													- DATA UNAVAILABLE -												
27													- DATA UNAVAILABLE -												
28													- DATA UNAVAILABLE -												
29													- DATA UNAVAILABLE -												
30													- DATA UNAVAILABLE -												
31													- DATA UNAVAILABLE -												
MEAN	4	3	1	2	2	1	1	2	4	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	2.2

PERCENTAGE OF DATA VALID - 1.2 PERCENTAGE OF DATA INVALID - 0.4 PERCENTAGE OF DATA UNAVAILABLE - 98.4

- NOTES 1. "\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. "-" INDICATES DATA IS UNAVAILABLE  
 3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT					UNITS - 0.01 PARTS/MILLION				
STATION - C NO 44010 1298 REBECCA ST OAKVILLE									
MONTH	NO OF DAYS		AVERAGE CONCENT		24-HOUR MAXIMUM		MAXIMUM READING		
JAN	27		2.4		5		6		
FEB	28		2.7		5		8		
MAR	9		2.9		4		7		
APR	27		2.0		3		8		
MAY	31		2.1		4		9		
JUN	30		1.9		4		8		
JUL	16		1.6		3		5		
AUG	31		1.7		4		8		
SEP	30		1.0		2		6		
OCT	31		1.8		4		14		
NOV	30		2.0		5		15		
DEC	0		2.2		***		4		
YEAR	290		2.0		5		15		

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44010 1298 REBECCA ST OAKVILLE

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	209	299	157	0	0	0	0	665
FEB	140	350	168	5	0	0	0	663
MAR	59	86	76	4	0	0	0	225
APR	230	354	66	2	0	0	0	652
MAY	334	265	129	7	0	0	0	735
JUN	292	367	44	7	0	0	0	710
JUL	176	204	23	0	0	0	0	403
AUG	378	276	79	5	0	0	0	738
SEP	525	172	13	0	0	0	0	710
OCT	353	332	42	5	1	3	0	736
NOV	338	266	80	24	0	2	0	710
DEC	3	4	2	0	0	0	0	9
YEAR	3037	2975	879	59	1	5	0	6956

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
79.4	0	0.0	0.6	1.2	1.9	3.4	4.2	5.2	5.9	15	2.0

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	4	4	3	3	2	2	2	1	1	2	2	3	3	3	4	3	3	2	1	1	1	1	1	2
2	1	1	1	1	0	0	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1
3	1	1	1	1	1	1	1	3	3	2	1	1	2	2	1	***	3	6	8	6	4	4	3	2	3
4	1	1	1	1	2	2	4	7	12	5	3	4	3	2	2	3	3	3	3	3	2	3	3	3	3
5	2	2	1	1	2	2	3	11	9	8	7	4	3	3	4	5	5	6	9	11	10	11	8	6	6
6	3	2	1	1	1	1	2	2	4	3	3	3	3	3	4	4	2	1	4	6	3	2	3	3	3
7	2	3	3	2	2	2	3	3	4	6	7	7	8	9	7	9	8	9	9	8	6	6	7	6	6
8	8	7	4	2	1	1	1	2	2	2	2	2	3	4	3	9	7	7	4	3	3	2	1	1	3
9	0	0	0	0	0	0	0	1	2	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1
10	0	0	0	0	0	0	1	3	3	0	0	0	1	1	0	1	1	1	1	1	1	1	1	2	1
11	1	1	1	1	0	0	1	1	2	1	1	1	1	1	1	2	3	3	2	3	3	3	3	2	2
12	2	1	1	1	1	1	2	3	5	3	***	***	4	3	3	4	5	6	6	8	6	5	5	4	4
13	6	5	5	6	6	7	7	3	3	2	6	6	6	***	5	5	5	5	4	4	3	2	2	2	5
14	2	1	1	1	1	1	1	1	2	2	2	2	1	2	2	2	2	2	2	2	1	1	1	1	2
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	2	1	1	1	1
16	1	1	0	1	1	0	1	3	3	2	2	2	1	2	2	2	3	4	3	3	6	6	12	3	3
17	10	6	6	4	4	4	5	6	7	9	10	8	7	6	4	5	5	5	4	3	2	2	2	2	5
18	2	1	1	1	1	1	2	3	3	3	2	2	3	3	2	3	5	7	6	5	4	5	5	3	3
19	4	5	4	4	2	3	5	11	***	***	***	2	3	2	2	3	3	2	2	2	2	2	2	2	3
20	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2
21	1	1	1	1	1	1	1	1	1	2	2	1	2	2	2	2	2	3	3	3	2	2	2	2	2
22	2	2	2	2	2	2	2	2	2	1	1	1	1	1	2	2	2	2	2	2	1	1	2	2	2
23	2	2	2	2	2	2	2	2	2	2	1	1	1	2	1	2	2	2	3	3	2	2	3	2	2
24	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	2	2	2	2
25	2	2	3	2	2	2	2	2	2	2	3	3	2	3	3	2	2	2	3	2	2	1	1	1	2
26	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	***	1	1	1	0	0	0	0	0	1
27	0	0	0	0	0	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	0	0	0	0	1	2	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	1	1	1	1	1	2	2	2	1	***	***	1	1	1	2	2	2	2	2	2	1	1	1
31	1	1	1	1	1	1	2	2	2	1	2	2	2	2	2	3	3	3	3	2	2	1	1	1	2
MEAN	2	2	2	2	1	1	2	3	3	2	2	2	2	2	2	3	3	3	3	3	3	2	2	2	2.4

PERCENTAGE OF DATA VALID - 98.7

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

HOUR DAY	POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION										
	STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA														MONTH - FEB 78										
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1
2	2	2	2	2	2	2	2	3	3	3	3	2	2	2	3	3	3	4	4	4	3	3	3	2	3
3	1	2	2	1	2	2	2	3	3	3	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2
4	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	2
5	3	3	3	3	3	3	3	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	1	1	1	1	1	1	2	2	3	2	2	2	1	1	1	2	2	2	1	1	1	1	1	1	1
7	1	1	1	0	0	0	1	2	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2
8	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2	2	2	2
9	2	1	1	1	1	1	2	3	3	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2
10	2	2	1	1	1	1	2	3	3	2	3	2	2	2	1	1	2	2	2	2	2	2	2	2	2
11	2	2	1	1	1	1	1	1	2	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2
14	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
15	1	2	2	2	2	2	2	3	2	2	2	2	2	2	1	3	3	4	4	5	5	4	4	4	3
16	4	4	4	4	3	2	2	3	2	2	1	1	1	1	1	2	2	2	3	2	3	3	3	3	2
17	3	3	2	2	1	2	2	2	2	2	1	1	1	1	1	2	2	2	3	3	2	2	3	2	2
18	2	3	3	2	2	2	2	2	2	1	1	1	1	1	1	2	2	2	3	3	2	2	3	2	2
19	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2	1
20	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	1	2	3	4	4	3	4	4	3	3
21	2	2	2	2	1	1	2	3	3	4	4	2	2	2	2	2	2	3	3	3	2	2	2	2	2
22	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1
23	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	2	3	3	3	3	3	2	2	2
24	3	2	2	1	1	1	1	2	2	1	1	1	1	1	1	2	2	3	3	3	2	2	2	2	2
25	3	3	3	3	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	1	1	1
26	1	2	2	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1
27	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	2	2	3	4	4	4	4	3	2
28	2	2	2	2	2	2	2	3	3	3	2	1	1	1	1	2	2	3	4	4	4	4	4	3	2
MEAN	2	2	2	2	1	1	2	2	2	2	2	2	2	1	1	2	2	2	2	3	2	2	2	2	1.9

PERCENTAGE OF DATA VALID - 100.0 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. --\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
HOUR DAY	STATION - C				QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA										MONTH - MAR 78										
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	4	3	2	2	2	3	4	4	3	3	2	1	2	2	1	1	2	3	3	2	1	2	2	2
2	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	2	2	2	3	3	2	3	4	2
3	4	3	3	3	3	3	3	2	2	1	1	1	2	2	2	2	3	3	3	2	2	2	3	2	2
4	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1
5	2	1	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	1
6	2	2	1	2	2	3	4	4	3	2	2	3	2	1	1	2	2	2	3	3	3	3	2	2	2
7	1	1	1	1	1	2	2	3	3	2	2	2	1	1	1	1	1	1	2	2	2	2	2	2	2
8	1	1	2	2	2	2	2	3	3	4	4	2	1	1	1	1	2	2	2	4	3	3	3	3	2
9	3	3	3	3	3	2	3	3	3	3	3	3	1	1	1	2	2	2	4	3	2	2	3	5	3
10	4	2	2	2	2	3	3	3	4	4	3	3	3	3	3	3	3	3	5	7	7	7	6	5	4
11	5	5	5	5	4	4	4	5	4	3	2	2	2	2	3	3	3	4	2	2	3	3	3	3	3
12	4	4	3	2	2	2	2	2	2	1	1	2	2	2	2	2	1	1	2	2	3	4	3	2	2
13	2	2	2	2	2	2	3	2	4	4	3	2	2	2	2	2	2	2	3	2	2	2	2	2	2
14	2	2	2	1	1	1	2	3	4	3	3	1	2	2	1	1	1	2	1	1	1	1	1	1	2
15	1	0	1	0	0	0	1	1	2	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1
16	2	1	1	0	1	1	2	2	3	2	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1
17	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1
18	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1
19	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	2	1	1	1	1	1	1	1	2	1
20	1	1	0	0	0	0	1	2	2	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	1
21	3	3	3	2	2	2	2	2	3	4	2	3	2	2	2	2	3	2	2	2	2	1	1	1	2
22	1	1	1	1	0	1	1	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1
23	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1
24	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1
25	2	2	2	2	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	0	0	0	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	2	2	2	2	1	2	1	1	1	2	2	3	3	3	2	1	1	2
28	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	2	2	2	1
29	2	1	1	1	0	0	1	1	1	1	1	1	1	0	0	0	1	1	1	1	2	1	1	1	1
30	1	1	1	0	0	0	1	1	2	1	1	1	1	1	1	2	1	1	2	2	3	2	2	1	1
31	2	1	1	1	1	1	2	1	2	2	1	1	2	2	2	2	2	2	2	2	2	1	1	1	1
MEAN	2	2	1	1	1	1	2	2	2	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	1.7

PERCENTAGE OF DATA VALID - 99.5 PERCENTAGE OF DATA INVALID - 0.5 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. --\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 46110

QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA

MONTH - APR 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1
2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	2	2	2	2	1
3	2	2	2	1	0	0	0	1	1	1	1	1	2	2	1	****	1	1	1	1	1	2	1	1	1
4	2	2	2	2	1	1	1	****	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	****
5	-	-	-	-	-	-	-	-	-	-	-	-	****	2	2	3	3	3	2	4	4	4	4	4	****
6	4	4	4	3	3	4	4	4	3	2	3	1	2	2	2	2	3	3	2	2	2	2	2	2	3
7	2	2	3	4	3	1	1	2	3	2	2	2	2	2	2	2	2	3	3	2	3	2	2	2	2
8	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	4	4	3	3	3	2
9	4	4	4	3	2	2	2	2	2	2	2	2	3	2	3	3	3	4	4	6	6	6	6	6	3
10	6	5	3	2	2	2	2	3	4	4	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3
11	2	2	1	1	1	2	3	4	4	4	4	5	3	2	****	2	3	3	4	4	4	3	3	2	3
12	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	6	4	3	2	2	2	3	2
13	3	3	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2
14	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	4	4	3	3	2	2
15	3	3	4	3	2	1	1	1	1	1	1	2	2	3	3	3	3	4	4	5	4	4	4	4	3
16	3	3	2	2	1	1	1	1	1	1	2	2	3	3	3	3	3	4	4	5	4	4	4	4	3
17	2	2	2	1	2	2	4	4	5	4	3	3	3	3	2	****	3	4	5	6	6	5	4	4	3
18	4	4	4	4	4	4	4	****	4	3	3	3	3	3	3	3	3	3	2	2	3	5	4	3	3
19	2	2	2	2	2	2	2	2	3	3	3	3	4	4	5	5	4	3	4	5	4	4	4	3	3
20	3	2	3	2	2	2	3	4	4	4	3	4	4	4	3	4	4	4	4	4	3	3	3	3	3
21	3	2	2	2	2	1	2	3	3	3	2	3	****	3	3	3	4	4	4	5	5	5	4	4	3
22	4	4	3	2	2	2	2	3	3	3	3	3	4	3	3	4	4	4	4	5	5	5	4	4	3
23	5	5	5	4	4	4	4	4	3	4	2	2	2	2	2	2	2	3	3	6	6	6	6	6	4
24	6	5	4	3	3	3	4	5	6	4	6	6	4	5	5	5	4	5	5	5	5	4	4	4	5
25	4	4	3	3	4	4	4	5	6	4	3	3	3	****	2	1	1	2	3	5	6	6	6	6	4
26	6	5	5	4	4	4	4	5	4	2	2	2	2	2	2	2	3	2	3	6	7	4	4	4	4
27	3	2	2	2	1	2	3	4	5	5	4	4	4	3	3	3	3	4	4	4	4	4	3	2	3
28	2	1	1	1	1	2	3	4	4	3	3	3	3	3	2	3	3	5	6	6	5	5	4	2	2
29	3	3	3	3	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
30	3	3	3	2	2	1	1	1	1	1	1	2	2	1	2	2	2	2	2	3	3	3	3	2	2
MEAN	3	3	3	2	2	2	2	3	3	3	2	2	2	2	2	3	3	3	3	4	4	3	3	3	2.7

PERCENTAGE OF DATA VALID - 95.0

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 3.9

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 46110

QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA

MONTH - MAY 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	2	3	3	2	1	2	1	2	2	2	2	2	3	3	3	3	3	2	1	2
2	1	1	1	1	2	3	4	4	3	2	2	2	2	2	3	4	4	3	3	4	4	3	3	1	3
3	1	1	1	1	1	2	3	4	4	5	4	3	4	3	3	3	3	3	3	4	4	5	5	4	3
4	4	4	4	2	2	4	4	3	2	2	1	1	3	3	2	2	2	2	2	2	2	2	2	2	2
5	2	2	1	1	1	2	3	3	3	3	3	3	3	2	2	3	3	3	4	5	4	4	4	3	3
6	3	4	4	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	3	3	2
7	3	3	2	2	2	2	3	3	3	3	3	2	2	2	2	2	2	2	2	4	4	4	4	3	4
8	1	1	2	1	1	2	4	****	3	3	3	3	4	5	5	6	6	6	5	4	4	4	5	3	4
9	3	4	3	4	4	4	4	4	4	3	2	2	2	2	2	3	3	3	3	3	3	3	4	1	3
10	1	1	1	1	1	2	3	3	2	2	2	2	****	2	2	3	3	3	3	3	3	4	4	4	2
11	3	2	3	3	3	3	3	4	3	3	4	3	3	3	3	4	4	4	4	5	3	4	5	5	4
12	4	5	3	3	2	4	5	6	5	5	4	5	5	****	6	5	5	4	3	2	3	4	3	4	4
13	3	3	2	2	2	2	2	2	2	2	3	3	3	5	3	3	3	4	5	5	3	3	3	2	3
14	2	1	1	1	1	1	1	1	1	2	2	3	2	2	2	2	2	2	2	2	1	1	1	1	2
15	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	4	3	2	2	2
16	1	1	2	1	1	2	3	4	3	2	3	2	2	2	2	2	2	2	3	5	5	4	2	2	2
17	1	1	1	1	2	3	4	4	4	4	3	2	3	5	5	6	5	6	6	5	5	5	5	4	4
18	3	3	3	3	3	3	3	3	3	3	5	5	5	5	5	6	5	6	6	5	5	5	5	4	4
19	4	4	3	3	3	3	4	6	6	6	5	5	****	2	3	3	2	3	3	4	4	5	5	4	4
20	4	4	3	3	2	3	3	3	3	2	3	3	2	2	2	2	2	3	3	4	3	2	3	3	3
21	2	1	1	0	0	0	0	0	1	1	1	2	2	2	2	2	2	2	2	2	3	3	3	3	2
22	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	5	5	5	4	4	3	3
23	2	2	2	2	2	3	4	5	3	2	2	****	****	****	****	****	****	****	****	****	****	****	****	****	****
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MEAN	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3	3	3	2.8

PERCENTAGE OF DATA VALID - 71.9

PERCENTAGE OF DATA INVALID - 28.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA															MONTH - JUN 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
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26																									
27																									
28																									
29																									
30																									
MEAN																									

PERCENTAGE OF DATA VALID - 37.9      PERCENTAGE OF DATA INVALID - 61.8      PERCENTAGE OF DATA UNAVAILABLE - 0.3

- NOTES 1. .... INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. ... INDICATES DATA IS UNAVAILABLE  
 3. .... INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																										
POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION												
STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA														MONTH - JUL 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	2	2	2	2	2	2	2	3	2	2	1	1	1	1	1	2	1	1	2	2	4	4	4	4	2	
2	3	3	3	2	2	2	2	1	1	1	1	1	1	2	2	1	2	1	2	2	2	2	3	2	2	
3	1	1	1	1	1	1	1	1	2	2	2	2	3	3	3	3	3	4	3	2	2	2	2	2	2	
4	1	1	1	1	1	2	3	3	2	2	2	2	2	...	3	2	3	2	3	3	4	4	4	4	2	
5	3	3	3	3	3	3	3	5	3	6	5	2	1	2	2	2	2	3	3	3	3	3	3	2	3	
6	3	2	2	2	2	3	3	3	2	2	4	3	...	...	2	2	2	2	3	4	3	3	3	3	3	
7	2	2	2	3	4	6	3	4	4	5	4	3	3	3	2	2	2	2	2	2	2	2	2	1	2	
8	3	4	4	3	2	1	2	2	2	2	2	1	1	2	2	1	1	2	2	2	2	3	3	2	1	
9	1	1	1	1	1	1	2	1	0	1	1	1	2	1	1	2	1	1	2	2	2	1	2	1	1	
10	2	1	1	1	1	1	2	1	1	1	2	1	1	1	1	2	1	1	1	1	2	1	2	1	1	
11	1	1	1	0	1	1	2	2	1	1	2	2	2	2	2	3	3	2	...	...	...	...	...	...	2	
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	2	2	2	2	3	4	8	9	10	
13	9	6	4	3	3	4	6	7	5	4	4	4	4	4	3	3	3	3	3	3	3	4	4	5	4	
14	4	3	3	3	3	3	4	5	5	4	4	3	3	3	4	4	4	3	3	4	6	6	5	3	3	
15	3	3	3	2	2	2	3	3	4	3	3	3	3	2	2	2	2	2	3	3	3	3	2	2	2	
16	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	6	5	4	2	
17	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	4	5	5	3	3	
18	3	3	3	3	2	2	2	3	4	5	5	5	5	3	2	2	2	3	3	5	4	3	7	8	5	
19	6	6	4	3	4	4	5	7	9	8	5	5	3	3	2	2	3	3	3	3	3	3	3	3	5	
20	8	7	7	7	6	6	8	9	5	2	3	...	...	...	2	2	3	3	3	3	3	3	3	3	3	
21	3	3	2	2	2	3	4	5	5	5	4	3	4	3	3	2	3	3	5	7	6	7	6	4	4	
22	4	3	3	3	2	2	3	2	3	3	3	2	2	2	2	1	2	2	2	2	2	2	2	2	2	
23	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	1	
24	3	2	1	1	1	2	3	3	4	3	2	1	2	1	1	2	2	2	2	3	3	3	3	3	2	
25	3	2	2	2	2	2	3	4	4	4	3	2	...	...	2	2	2	2	2	3	4	6	6	4	3	
26	3	1	3	3	4	4	3	2	2	2	2	2	2	2	2	2	2	3	2	2	1	2	2	2	2	
27	2	1	1	1	1	2	3	3	2	2	2	2	2	2	2	2	3	4	3	3	3	1	1	1	2	
28	1	1	1	0	0	1	...	...	...	...	...	...	...	...	...	2	3	3	4	4	4	5	3	2	2	
29	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	1	1	2	1	1	
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	3	1	
31	3	3	2	2	2	2	3	2	3	2	2	2	2	...	...	1	1	2	3	3	3	4	4	3	4	3
MEAN	3	2	2	2	2	2	3	3	3	3	3	2	2	2	2	2	2	2	2	3	3	3	4	4	3	2.6

PERCENTAGE OF DATA VALID - 96.0      PERCENTAGE OF DATA INVALID - 4.0      PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. .... INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. ... INDICATES DATA IS UNAVAILABLE  
 3. .... INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY





POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA															MONTH - OCT 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	5	2	1	1	1	2	2	2	1	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2
2	2	2	2	2	2	3	3	4	4	4	3	3	3	3	3	4	4	5	6	6	6	6	5	5	4
3	5	5	5	4	4	4	4	3	3	2	3	4	4	5	4	4	5	....	4	4	4	4	4	4	4
4	1	1	1	2	3	4	5	5	4	3	3	....	1	....	....	3	3	3	3	3	3	3	3	3	3
5	2	2	2	2	2	2	2	3	3	2	2	2	2	3	3	3	4	3	3	3	2	2	3	4	3
6	4	3	1	2	3	3	3	3	2	2	2	2	2	2	2	2	3	3	3	3	2	1	1	1	2
7	1	1	0	0	0	1	2	1	1	1	2	2	2	1	2	2	2	2	2	2	2	2	2	2	1
8	1	1	1	1	0	1	1	1	1	1	2	1	2	2	2	2	2	2	3	3	3	3	3	3	2
9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	4	5	3	2	2
10	1	1	1	1	1	2	4	4	4	4	4	3	3	3	4	5	5	3	....	7	6	5	4	4	3
11	5	4	3	3	3	3	4	6	5	5	5	5	5	4	4	5	7	6	6	6	6	6	5	3	5
12	3	2	1	1	3	4	4	4	4	3	3	3	2	2	2	5	5	6	5	3	3	4	3	3	3
13	2	2	1	2	2	3	4	4	3	3	3	3	3	3	3	3	4	4	4	4	4	4	3	3	3
14	3	2	2	2	1	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	2	2	3	3	3
15	2	2	2	2	2	2	3	3	3	2	2	....	2	2	2	2	2	4	4	4	4	4	4	4	3
16	3	3	2	2	3	4	4	4	4	4	3	3	3	3	2	2	3	4	5	4	4	4	4	3	3
17	3	3	3	3	3	3	3	3	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
18	2	2	2	2	2	2	2	2	2	2	2	....	3	2	2	3	3	3	3	3	3	2	2	1	2
19	4	3	2	1	1	2	2	2	2	2	2	....	3	2	2	3	3	3	3	3	4	3	2	1	2
20	1	1	1	1	1	2	2	2	2	3	2	2	2	4	2	3	4	4	4	5	4	4	3	3	3
21	3	2	2	2	2	2	2	4	5	6	4	3	3	3	3	3	3	4	4	3	4	5	4	4	3
22	3	4	4	2	1	1	2	3	2	3	3	3	3	3	3	3	3	3	5	5	5	4	3	4	3
23	3	1	1	1	1	1	2	2	2	2	2	....	2	2	2	3	3	3	3	3	4	4	4	3	2
24	3	3	3	2	2	2	3	3	4	3	2	2	2	2	2	2	2	3	3	3	4	4	4	4	3
25	4	3	3	3	3	3	3	3	4	3	3	3	3	3	4	4	5	4	3	3	3	2	2	2	3
26	1	1	1	1	2	3	3	3	3	3	3	2	2	2	3	3	3	3	3	3	3	3	3	2	2
27	2	1	1	1	1	2	2	3	2	2	3	3	3	3	4	....	3	4	3	3	3	2	3	3	2
28	3	3	2	3	3	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	2	2	2	2
29	2	2	2	2	1	1	1	2	2	2	2	2	2	2	2	1	2	2	3	3	3	4	4	3	2
30	1	1	1	1	1	1	2	3	3	3	3	3	3	3	3	4	5	5	....	5	5	5	4	4	3
31	4	3	3	2	2	2	3	3	4	4	4	4	4	6	4	4	4	4	3	3	3	3	3	3	3
MEAN	3	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	3	3	3	2.9

PERCENTAGE OF DATA VALID - 98.7

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. .... INDICATES DATA IS UNAVAILABLE

3. .... INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA														MONTH - NOV 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	3	2	3	3	3	4	5	4	3	2	2	1	2	3	4	....	5	5	4	3	3	3
2	3	3	3	3	3	3	3	3	3	4	4	4	4	3	3	4	4	5	5	5	5	5	4	4	4
3	4	3	3	3	2	3	3	3	4	7	8	6	6	5	5	5	5	5	5	5	5	5	4	6	5
4	5	5	4	4	4	5	5	5	5	6	8	8	8	8	5	5	4	4	6	7	5	3	2	2	4
5	5	4	4	3	3	3	3	3	4	4	4	5	5	5	5	4	3	3	3	3	3	3	3	2	3
6	2	1	1	1	1	1	2	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2
7	2	2	2	1	1	1	2	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
8	3	3	3	2	2	2	2	2	3	3	3	3	4	3	3	3	3	3	3	4	4	3	3	3	3
9	3	2	2	1	1	1	2	3	3	3	3	3	3	3	3	3	3	4	4	....	4	3	4	4	3
10	4	3	3	3	3	3	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3
11	3	3	3	3	3	2	3	4	4	4	4	4	3	3	5	5	4	4	4	2	2	1	1	1	3
12	2	1	1	1	1	1	1	2	1	2	2	3	....	3	3	3	3	3	3	3	3	3	3	3	2
13	3	3	2	2	2	3	3	3	3	3	3	3	2	2	2	2	2	2	2	3	3	3	3	3	3
14	3	2	2	2	2	2	2	2	3	2	2	2	1	2	2	1	2	2	2	2	2	2	2	1	2
15	2	1	1	1	1	1	2	2	3	3	3	3	3	3	3	3	4	4	3	3	3	3	3	3	3
16	2	2	2	2	3	3	4	4	4	4	4	3	2	3	3	3	3	....	4	4	3	3	3	2	3
17	2	1	1	1	1	1	2	2	2	2	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2
18	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3	3	3	3	2	2	2	2	2
19	2	2	2	1	1	1	1	1	1	1	1	1	....	2	2	2	2	3	2	3	3	3	3	3	2
20	1	1	1	1	1	1	2	3	3	3	3	3	3	3	3	3	3	3	....	4	3	3	3	3	2
21	2	2	2	2	2	2	3	3	3	4	4	4	4	4	3	3	3	3	3	3	4	3	3	2	3
22	2	1	1	1	1	1	2	3	3	2	2	2	2	2	2	2	3	....	4	3	3	3	3	3	2
23	3	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3
24	3	3	3	3	2	2	3	3	3	3	3	2	1	2	2	2	2	....	2	2	2	2	1	1	2
25	1	1	1	1	1	1	2	2	2	2	2	2	....	3	3	3	3	3	3	3	3	3	2	2	2
26	2	2	2	2	2	2	3	2	2	1	3	2	2	2	2	2	3	3	3	3	3	3	3	2	2
27	1	1	1	1	1	1	2	3	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2
28	2	2	2	1	1	1	2	3	3	2	2	3	3	3	3	....	3	3	3	3	3	3	3	3	2
29	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	....	....	4	4	4	4	4	3	3	3
30	2	2	2	2	2	2	1	2	3	3	2	2	2	2	2	2	3	3	3	4	4	4	3	4	3
MEAN	3	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	3	3	3	3	2.8

PERCENTAGE OF DATA VALID - 98.5

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. .... INDICATES DATA IS UNAVAILABLE

3. .... INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA															MONTH - DEC 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	3	3	2	3	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3
2	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3	4	4	4	4	4	4	2
3	4	4	3	3	3	3	3	2	1	3	1	1	2	2	2	2	3	3	3	3	3	2	2	3	3
4	3	2	2	1	1	1	2	2	3	2	2	2	2	2	2	2	2	3	3	2	2	2	3	2	2
5	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	***	2	3	2	2	2	2	2
6	2	2	2	2	2	3	3	3	3	3	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3
7	3	3	2	2	2	2	3	4	4	4	4	3	3	3	3	3	3	3	***	3	3	3	3	3	3
8	3	3	3	3	3	3	4	4	3	3	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3
9	3	3	3	2	1	1	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2
10	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3	2	3	2	2	2	2
11	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
12	3	3	2	3	3	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3
13	3	3	3	3	1	2	2	2	3	2	2	2	2	3	3	2	2	2	2	2	1	1	1	1	2
14	1	0	0	0	0	0	1	3	3	3	2	2	2	2	2	2	3	***	2	2	2	2	1	1	2
15	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	2	3	3	3	3	2
16	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3	3	3
17	2	3	3	1	0	0	0	0	0	0	1	1	1	1	1	1	1	2	1	1	1	2	2	2	1
18	1	1	2	2	2	2	3	3	3	3	3	2	3	2	2	3	3	3	3	4	3	3	3	3	3
19	3	2	3	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	3	3	3	3	3
20	3	3	3	3	3	3	3	3	3	3	3	2	2	***	3	3	3	2	2	2	2	2	2	2	3
21	2	2	2	2	2	2	1	2	2	2	1	2	2	1	2	2	3	3	3	3	3	3	3	3	2
22	2	1	1	1	1	1	2	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2
23	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	4	4	4	4	4	3	3	3	2
24	3	3	4	3	2	1	1	1	1	2	2	2	3	3	2	3	3	3	3	3	2	2	2	2	2
25	2	2	3	2	3	3	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2
26	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
27	2	1	1	1	1	1	2	3	***	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
28	2	2	2	2	1	1	3	4	4	4	4	3	4	4	4	4	5	4	4	4	4	4	4	3	3
29	3	3	3	3	3	3	3	4	4	***	4	5	5	5	3	3	3	3	3	3	3	3	3	3	3
30	3	2	1	1	1	2	2	2	2	2	2	3	3	3	3	3	4	4	4	4	4	4	4	4	3
31	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	3	3	3	3	3
MEAN	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	2.4

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	2.4	6	12
FEB	28	1.9	3	5
MAR	31	1.7	4	7
APR	28	2.7	5	7
MAY	22	2.8	4	6
JUN	11	3.0	5	11
JUL	30	2.6	5	10
AUG	31	2.8	5	10
SEP	28	2.7	4	7
OCT	31	2.9	5	7
NOV	30	2.8	7	11
DEC	31	2.4	3	5
YEAR	332	2.5	7	12

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 46110

QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	299	313	81	35	6	0	0	734
FEB	236	411	25	0	0	0	0	672
MAR	387	315	35	3	0	0	0	740
APR	117	376	190	1	0	0	0	684
MAY	69	327	139	0	0	0	0	535
JUN	23	181	59	7	3	0	0	273
JUL	152	434	108	20	0	0	0	714
AUG	114	460	139	29	0	0	0	742
SEP	94	435	147	5	0	0	0	681
OCT	75	469	188	2	0	0	0	734
NOV	83	497	116	12	1	0	0	709
DEC	125	554	59	0	0	0	0	738
YEAR	1774	4772	1286	114	10	0	0	7956

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	CONCENTRATIONS										ARITH MEAN
	MIN	10	30	FREQUENCY DISTRIBUTION, PERCENT						MAX	
				50	70	90	95	98	99		
90.8	0	0.4	1.2	1.8	2.5	3.8	4.6	5.8	6.8	12	2.5

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 51001

MCDONALD GDN RIDEAU/WURTEMBERG ST. OTTAWA

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	2	2	2	2	2	1	1	0	1	0	****	0	1	1	1	1	1	0	1	1	1	0	1
2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	3	4	4	5	4	4	1
3	3	3	3	3	2	2	2	2	1	1	0	0	0	0	0	1	2	2	1	1	2	1	2	2	2
4	2	1	2	2	1	1	2	3	3	3	3	2	1	2	2	2	2	3	3	2	2	2	2	3	2
5	3	3	3	2	2	2	2	3	3	3	3	****	2	1	1	2	3	3	3	3	2	2	3	2	2
6	2	2	2	2	1	2	3	3	3	2	2	2	2	2	3	4	4	4	3	3	3	2	2	3	3
7	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3	3	3	3	3	3	3	3	2
8	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3	3	3	2	3
9	2	2	2	2	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
11	2	2	2	2	2	2	3	4	3	2	2	1	****	2	2	2	3	2	2	3	3	3	3	3	2
12	3	2	3	2	2	3	3	3	3	2	2	2	2	2	2	3	3	4	4	4	4	4	4	4	4
13	5	4	3	3	3	3	3	5	3	3	3	4	4	3	3	4	4	4	4	4	4	4	4	4	4
14	3	2	3	2	2	3	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	1	1	2
15	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	2	2	2	2
16	2	2	2	1	1	2	2	3	2	1	1	1	1	1	2	2	3	4	4	4	4	4	4	4	2
17	3	3	3	3	2	3	3	3	3	3	2	2	2	2	2	3	5	4	4	3	3	2	2	2	3
18	1	1	1	1	1	1	1	2	2	1	1	1	1	1	2	2	3	3	3	4	3	2	2	2	2
19	2	1	1	1	3	2	2	3	3	2	2	4	3	3	3	3	4	5	5	5	5	5	5	5	3
20	4	3	3	2	2	2	3	3	3	3	3	3	2	2	3	3	3	3	3	3	3	3	2	3	3
21	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	4	4	4	5	5	5	5	4	4	3
22	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
23	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	4	4	4	5	4	4	4
24	4	4	4	4	4	5	5	5	5	5	5	5	4	4	5	5	6	5	5	6	5	6	5	5	4
25	5	4	4	4	5	5	5	6	6	5	****	****	3	3	****	****	0	0	5	8	6	5	4	4	2
26	2	2	1	1	1	1	1	2	2	****	****	****	2	2	2	2	2	2	2	2	2	2	2	1	1
27	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	2	2	2	2	2	1
30	0	0	0	0	0	0	1	1	1	1	0	0	1	1	1	1	2	2	2	2	2	2	2	2	1
31	2	2	2	2	2	3	3	3	3	2	2	2	****	0	0	0	0	0	0	0	0	0	0	0	1
MEAN	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	2.4

PERCENTAGE OF DATA VALID - 98.4

PERCENTAGE OF DATA INVALID - 1.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 51001

MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA

MONTH - FEB 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	3	3	3	3	2	1	2	3	3	2	0	1	1	1	1	1	2	3	3	3	3	3	3	3	1
11	3	2	3	3	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2	3	3	3	2	2	2
12	2	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	2	2	2	2	2	3	1
13	1	1	0	0	0	0	1	1	1	1	0	0	0	0	1	1	2	2	3	4	4	3	3	3	1
14	3	3	3	2	2	2	3	3	3	1	1	1	1	1	1	2	2	4	3	4	3	3	4	4	2
15	4	4	4	3	3	3	3	3	4	5	6	7	4	3	3	4	4	5	7	7	7	6	6	6	5
16	6	5	5	5	5	5	4	4	4	4	4	4	4	3	3	5	6	8	6	7	7	7	6	6	5
17	6	5	4	4	3	4	4	5	5	5	5	5	6	6	7	4	5	6	6	5	4	4	5	4	5
18	5	5	4	3	5	5	6	5	5	5	5	5	5	5	7	5	4	6	5	5	5	3	3	3	5
19	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	3	3	4	4	4	4	4	2
20	3	3	3	3	3	3	4	4	5	8	4	3	2	2	2	2	3	4	4	6	5	6	6	6	4
21	4	4	3	2	2	2	2	2	2	1	1	1	1	1	1	2	2	2	2	2	3	3	3	2	2
22	2	2	1	1	1	1	2	3	2	1	1	1	1	1	1	2	2	2	3	3	2	1	2	2	2
23	1	1	1	1	1	2	3	3	2	1	1	1	1	1	2	2	3	4	4	4	4	3	1	2	2
24	2	2	2	2	2	2	3	4	3	2	2	2	1	1	2	3	3	3	4	4	2	2	3	3	3
25	2	2	1	1	1	2	2	1	1	1	1	1	1	1	2	2	2	2	3	3	3	4	4	3	2
26	3	2	3	3	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	3	2	1	1	1	2
27	1	1	1	1	1	2	3	3	1	1	0	1	1	1	1	1	2	2	2	3	4	4	4	4	2
28	4	3	2	3	4	3	4	4	3	3	4	2	2	1	1	1	2	2	3	4	5	6	5	5	3
MEAN	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	2	2	2	3	3	3	3	3	2	1.9

PERCENTAGE OF DATA VALID - 99.4

PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 51001

MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA

MONTH - MAR 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	3	3	2	2	2	3	4	3	2	2	2	2	2	2	2	2	3	4	4	5	5	4	2	3
2	2	2	2	2	2	3	4	4	4	2	2	2	2	2	2	2	3	4	5	5	5	6	6	6	3
3	5	5	5	5	5	4	4	3	4	4	3	3	3	3	3	3	3	4	4	4	4	3	3	3	4
4	4	4	3	2	2	2	2	3	2	2	2	2	1	1	1	1	1	2	2	3	2	1	1	1	2
5	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	3	3	3	3	2
6	2	2	2	2	2	2	3	4	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	2
7	1	1	1	1	2	1	2	2	2	2	1	1	1	1	1	2	3	4	3	4	4	4	4	3	2
8	3	3	2	3	3	3	5	5	5	4	2	2	2	1	2	3	4	5	4	5	4	4	4	4	3
9	4	4	5	5	5	5	4	5	6	5	4	3	2	2	3	4	5	4	4	5	5	4	4	4	4
10	4	4	5	5	5	6	5	6	4	2	2	2	2	2	4	4	6	6	8	9	8	7	8	8	5
11	8	7	4	3	3	3	3	3	3	3	3	4	5	6	6	4	4	5	5	5	4	4	4	5	4
12	4	5	4	3	3	3	4	4	4	2	1	1	1	1	2	2	2	5	4	4	5	5	4	3	2
13	4	4	4	4	4	3	4	5	4	4	4	4	3	3	5	4	6	5	6	5	5	4	4	4	4
14	4	4	4	5	5	5	6	6	5	4	4	4	4	4	4	5	6	5	3	3	3	3	2	2	4
15	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1
16	2	2	2	1	2	2	2	2	1	2	1	1	2	2	2	2	3	3	4	5	5	5	5	5	3
17	5	4	4	3	4	4	3	3	1	1	1	1	2	2	1	2	2	3	3	4	4	4	4	4	3
18	2	2	3	2	2	2	2	1	1	1	1	1	2	1	1	1	2	3	3	3	3	3	2	2	2
19	2	2	2	2	2	2	2	2	2	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	2
20	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	2	3	4	4	5	3	3	2	2	2
21	2	2	3	3	2	2	3	3	3	3	3	3	3	3	3	4	5	3	3	2	2	2	2	2	3
22	1	1	1	1	1	2	2	2	3	2	1	1	1	1	2	1	2	2	4	5	6	5	4	5	2
23	3	3	2	2	1	2	2	3	4	3	4	4	2	2	1	3	4	5	4	4	3	2	2	2	3
24	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	3	4	6	6	5	5	4
25	5	4	4	2	1	1	2	1	1	2	2	1	1	1	2	2	3	4	4	6	6	5	5	4	3
26	4	4	3	2	2	1	2	1	1	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2
27	1	1	1	1	1	1	1	2	1	2	2	2	2	2	2	2	3	3	2	3	3	4	2	2	3
28	1	1	1	1	1	1	2	2	2	1	2	2	2	2	2	5	5	4	4	4	4	4	4	3	3
29	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	2	2	3	2	2	2	3	3	2	2
30	3	3	2	1	1	2	2	1	1	1	1	1	1	1	1	1	3	5	6	5	4	3	3	2	2
31	2	1	2	1	1	2	3	2	2	1	1	1	2	2	2	2	3	3	6	5	5	5	5	6	3
MEAN	3	3	3	2	2	2	3	3	2	2	2	2	2	2	2	2	3	3	4	4	4	4	3	3	2.7

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT																UNITS - 0.01 PARTS/MILLION									
STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA																MONTH - APR 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	3	2	1	2	2	3	2	2	2	3	4	5	6	3	2	2	2	1	1	1	1	1	1	2
2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1	2	2	1	1	1
3	1	1	1	2	2	2	2	1	2	1	2	2	2	2	2	3	3	4	4	4	4	4	4	4	2
4	4	3	3	2	2	2	2	3	4	4	3	3	3	3	3	4	6	6	6	5	5	4	4	4	4
5	4	2	1	1	1	1	2	1	1	1	1	2	2	2	2	2	3	3	3	2	2	2	2	1	2
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
7	3	2	1	1	1	2	2	3	4	4	3	3	2	3	3	3	3	3	3	3	3	3	2	2	3
8	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	4	5	5	4	3	2
10	1	1	1	1	1	1	1	1	2	2	1	1	2	2	2	3	4	5	4	5	5	5	5	3	3
11	3	3	2	1	1	1	1	2	3	3	3	3	3	3	3	4	4	5	5	4	2	2	2	2	3
12	2	2	2	1	1	1	2	2	2	1	1	1	1	1	1	2	4	5	6	4	4	5	3	3	2
13	3	3	2	2	2	3	2	2	3	4	4	4	4	3	3	3	2	2	2	2	2	2	2	1	3
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1
15	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	4	5	4	3	2
17	2	2	2	2	2	2	3	3	3	3	3	3	1	1	1	1	2	2	2	3	4	4	3	3	2
18	2	2	1	1	1	1	2	2	3	3	3	1	1	1	1	2	2	2	2	3	2	2	3	2	2
19	2	2	1	1	2	2	3	3	3	2	2	2	2	3	2	2	2	2	2	2	2	2	2	1	2
20	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	2	2	3	2	2	2	3	3	2	2
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	2	1
22	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	3	4	4	3	3	1
23	3	3	3	2	2	1	1	0	1	0	0	0	0	0	0	0	1	1	1	2	3	3	2	1	1
24	2	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	2	3	3	2	2	4	1
25	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	2	3	2	4	3	2
26	3	2	2	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	2	4	4	3	4	4	2
27	2	2	2	2	2	2	2	3	2	2	1	1	1	1	1	1	1	1	2	3	3	2	2	2	2
28	3	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	2	2	2	2	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	2	2	1	1	1	1	1	2	2	1	1	1	1	1	2	2	2	2	3	3	3	3	3	2	1.8

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT																UNITS - 0.01 PARTS/MILLION									
STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA																MONTH - MAY 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1
2	0	0	0	0	0	0	1	1	1	1	1	0	1	1	1	1	1	1	1	2	2	2	2	1	1
3	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	4	3	1
4	2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1
5	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	3	3	3	4	4	5	3	3	3	2
6	2	2	2	1	2	2	2	2	2	2	2	1	1	1	1	1	2	2	2	2	2	1	2	2	2
7	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	4	5	5	4	4	2
8	4	3	4	3	2	3	4	4	3	2	2	2	2	2	3	3	4	2	3	2	2	2	2	1	3
9	2	1	1	1	2	2	4	3	3	3	3	2	3	2	2	3	3	3	5	5	3	2	2	2	3
10	2	1	1	1	1	2	3	2	1	1	1	2	1	1	2	2	2	1	1	2	2	3	3	3	2
11	3	3	3	3	2	2	3	4	3	2	2	1	1	2	1	2	2	2	3	4	4	4	4	4	3
12	3	2	2	2	2	3	4	4	4	4	4	4	3	4	6	7	7	6	4	3	3	3	3	3	4
13	3	3	2	2	2	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
14	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1
15	1	1	1	1	1	1	2	1	2	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1
16	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	2	4	4	5	4	3	4	3	2
17	1	1	1	1	1	1	2	2	2	2	2	2	2	4	3	2	2	2	2	4	5	5	5	4	3
18	3	3	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	3	2	2	2	2	2	2	2	2	2	1	1	1	1	2	2	2	2	2	3	5	5	5	6	2
20	4	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	4	4	3	2	2
23	3	2	2	2	2	2	3	6	3	2	2	1	1	1	2	2	2	2	3	4	5	5	5	3	4
24	5	5	4	3	3	2	3	5	6	4	3	2	2	2	3	2	2	2	2	6	7	6	5	4	4
25	5	4	5	2	2	3	4	4	6	5	4	2	2	2	2	2	2	2	2	4	6	2	1	0	3
26	3	1	1	0	0	1	1	2	2	2	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	5	2	2	3	2	3	1	1
MEAN	2	2	1	1	1	1	2	2	2	2	1	1	1	1	2	2	2	2	2	2	3	2	2	2	1.7

PERCENTAGE OF DATA VALID - 98.4 PERCENTAGE OF DATA INVALID - 1.6 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA

MONTH - JUN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	3	4	3	2	2	3	3	2	3	2	2
2	2	2	1	1	2	2	2	3	4	3	2	3	2	2	2	2	2	2	2	2	2	1	2	1	2
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1
4	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	3	2	2	1	1
5	2	1	1	1	2	3	4	4	3	3	2	1	1	1	0	1	1	1	1	2	3	3	2	2	1
6	2	1	1	1	2	2	2	2	2	1	1	1	1	1	1	2	2	2	2	2	3	3	3	2	2
7	3	2	2	2	3	4	4	4	2	2	2	2	2	2	3	4	4	3	4	4	4	4	3	1	2
8	1	1	1	1	1	3	5	4	4	3	3	3	2	2	2	1	1	1	1	1	1	1	1	0	2
9	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	2	2	2	2	2	2	1
11	2	1	1	2	2	2	1	1	1	1	1	1	2	1	1	1	2	2	2	2	2	3	3	2	2
12	2	1	1	1	1	2	4	3	2	1	1	1	1	1	2	2	2	2	2	3	2	2	3	2	2
13	2	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	0	0	0	0	0	0	1	2	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	2	3	2	1	1
16	2	2	1	1	2	2	2	2	2	3	2	1	1	1	1	1	1	1	1	1	2	3	3	2	1
17	3	3	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	3	4	4	5	4	3	2
18	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2
19	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3	3	3	3	2	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1
21	0	0	0	0	0	1	2	1	0	1	1	1	1	1	1	1	2	2	2	2	3	3	2	1	1
22	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1
23	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	0	0	1	1	2	2	2	2	1
24	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	2	3	3	3	1	1
25	2	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	2	2	3	4	3	4	1
26	2	2	2	2	2	3	3	3	3	2	2	2	2	3	3	3	3	3	3	3	3	3	2	3	2
27	1	1	1	1	1	2	2	2	1	2	3	3	2	2	2	2	2	2	2	2	2	2	2	1	2
28	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1
30	1	0	0	0	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	2	2	2	2	1	1
MEAN	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1.5

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA

MONTH - JUL 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	3	2	1
2	1	2	2	2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	2	3	3	2	1
3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2	2	2	1	1
4	2	2	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	2	3	3	5	4	4	4	3
5	4	3	2	2	1	2	3	5	3	1	1	1	1	1	1	2	2	2	2	2	4	5	5	3	3
6	2	2	2	1	1	2	5	5	4	3	2	1	2	2	2	2	3	3	2	3	3	2	2	2	2
7	2	1	1	1	1	1	3	4	3	2	1	1	1	1	1	1	1	2	3	3	3	3	3	2	2
8	2	1	1	1	1	1	2	2	2	2	2	3	3	2	2	2	3	4	3	2	2	2	2	2	2
9	2	1	1	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	2	2	3	3	2	2	1
10	1	1	0	0	1	1	2	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	1
13	2	1	1	1	1	2	3	3	2	2	1	1	1	1	1	2	3	3	4	4	4	4	3	2	1
14	2	1	1	1	1	2	3	3	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2
15	2	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1
17	1	1	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1
18	2	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	1
19	2	2	1	1	1	3	4	5	3	3	3	3	3	4	4	5	6	7	8	8	4	5	7	4	3
20	5	3	2	2	2	2	6	7	5	3	2	2	2	2	2	2	2	2	2	2	3	3	3	2	3
21	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	3	4	3	3	4	4	3	4	2	2
22	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	1	1
23	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1
24	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	3	3	2	2	1	1
25	1	1	1	1	1	2	3	3	2	2	2	2	1	1	1	2	2	2	2	2	3	2	2	2	2
26	2	1	1	1	1	2	3	2	2	2	2	1	2	2	3	3	3	2	2	2	3	2	2	2	2
27	2	1	1	1	1	2	3	3	3	3	3	2	1	2	1	1	1	2	2	2	3	3	2	1	2
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1
29	1	1	2	2	2	1	1	2	2	2	2	2	2	2	3	3	2	2	2	2	2	1	1	1	2
30	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	2	1	1
31	1	1	1	1	1	1	1	1	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	2
MEAN	2	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	2	2	2	2	3	2	2	2	1.6

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA

MONTH - AUG 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	2	4	3	2	2	2	2
2	2	2	3	2	2	2	3	3	3	***	***	4	3	2	2	2	2	2	3	3	3	4	3	2	3
3	1	1	1	1	1	2	3	2	1	2	2	1	2	2	3	3	2	3	3	3	3	4	3	2	2
4	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1
6	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	2	2	2	2	3	2	1
7	2	2	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	2	2	2	1
8	1	1	1	1	1	1	1	2	2	2	1	2	2	2	1	2	1	1	1	1	1	1	2	1	1
9	1	1	1	1	0	1	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	0	0	0	***	***	1	0	0	1	1	1	1	2	2	2	2	2	1
11	2	2	1	1	1	1	1	3	4	2	1	1	1	1	1	1	1	1	2	4	4	4	3	2	2
12	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1
13	2	1	1	1	1	0	1	1	1	1	1	0	1	0	0	1	1	1	1	1	1	2	1	1	1
14	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	1	3	3	3	3	1	1
15	2	1	1	1	1	1	2	2	3	2	1	1	1	1	1	1	1	2	2	2	3	2	1	1	2
16	0	0	0	0	0	1	2	2	1	1	***	1	1	1	1	1	1	1	1	1	1	1	2	1	1
17	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
18	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	1	1	2	3	2	2	2	1
19	2	2	1	1	1	2	2	2	2	2	2	2	1	1	2	1	1	1	2	2	1	1	1	1	1
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	1	0
21	1	1	0	0	0	1	1	2	1	1	1	1	2	1	1	1	1	1	1	2	4	3	2	2	1
22	2	1	1	1	1	1	1	2	4	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	0	0	1	0	0	1	1	1	1	0	***	***	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2	3	2	2	1	1	1	1
25	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	2	2	4	3	2	2	2	1
26	3	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1
27	1	1	1	1	1	1	0	0	1	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	1
28	1	1	0	1	1	2	2	1	1	***	***	1	2	1	1	2	2	2	1	2	2	3	3	1	2
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1
30	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	2	2	3	2	2	2	1	1
31	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	2	2	2	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1.2

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA

MONTH - SEP 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1
2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	2	2	1	2	2	1	1
3	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1
4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	1	1	1	1	1
5	1	1	0	0	1	1	1	1	0	0	0	0	0	0	1	1	1	1	2	2	2	2	2	2	1
6	2	1	1	1	1	1	1	1	1	1	2	2	2	1	2	3	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1
8	1	1	1	1	1	1	1	2	2	***	***	1	1	2	1	1	2	2	2	3	3	3	2	2	2
9	1	1	0	0	1	1	1	0	0	1	0	0	0	1	1	1	1	1	2	2	2	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1
11	1	1	1	1	1	2	1	0	1	1	1	2	2	4	4	4	3	2	2	2	2	1	1	1	2
12	1	1	0	0	0	1	1	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1
13	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	2	2	2	1	1	1	1	1
14	1	1	1	1	1	1	0	1	1	1	1	1	1	1	2	2	3	2	3	3	2	2	2	2	2
15	2	1	1	1	1	2	2	2	2	1	1	1	1	2	2	2	1	2	2	1	1	1	2	1	1
16	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1
17	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1
19	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	2	3	3	2	1	1	1	1
20	1	2	2	1	1	0	1	0	0	***	***	3	3	3	3	3	4	4	4	4	4	3	3	3	2
21	3	3	2	2	2	2	2	3	3	3	1	1	1	2	2	2	2	2	2	1	1	1	1	1	2
22	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	2	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	2	3	3	3	2	3	3	2	1
24	2	2	1	1	2	2	1	1	1	1	0	0	0	1	1	1	1	3	3	3	4	2	2	1	2
25	1	1	1	1	0	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	2	2	2	2	1
26	1	1	1	1	1	2	1	2	2	2	2	2	2	3	4	5	5	4	3	3	3	4	3	2	2
27	1	1	1	1	1	3	3	2	2	2	2	2	2	3	4	5	5	4	3	3	3	3	3	3	2
28	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1
29	2	2	2	2	2	2	2	2	2	2	2	2	2	1	3	3	4	3	3	3	2	2	2	2	2
30	2	2	2	1	1	2	2	1	2	2	2	2	1	3	3	3	4	3	3	2	2	2	2	2	2
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1.3

PERCENTAGE OF DATA VALID - 98.6

PERCENTAGE OF DATA INVALID - 1.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA															MONTH - OCT 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	2	2	1	
2	1	1	1	1	1	1	2	2	1	0	1	1	1	1	1	1	1	2	3	2	3	2	2	2	1
3	1	1	1	1	1	2	2	1	***	***	1	1	2	1	2	2	2	3	3	2	2	2	2	2	2
4	2	2	1	1	1	2	3	2	3	3	3	2	3	2	3	2	3	4	3	2	3	3	2	3	2
5	3	2	2	2	2	2	3	2	1	2	2	2	2	2	3	4	4	5	4	3	4	3	3	2	3
6	2	1	1	1	2	2	2	3	3	3	2	2	2	2	2	3	4	3	3	3	2	2	2	2	2
7	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	1	1	1	1
8	1	1	0	0	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	2	3	2	2	2	1
9	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	2	2	2	1
10	2	1	1	2	1	2	3	3	2	2	***	1	1	1	1	2	2	4	3	4	3	4	3	3	2
11	3	2	1	2	2	2	2	1	2	2	3	2	2	2	3	4	5	7	5	5	5	5	6	5	3
12	4	3	1	1	2	2	4	3	2	2	2	2	2	3	3	4	4	4	4	3	3	3	3	3	3
13	3	1	1	1	2	2	3	3	2	2	2	2	1	1	1	2	2	2	2	2	2	1	1	2	2
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
15	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	1	2	1
16	2	2	1	1	1	1	2	2	1	0	1	1	1	1	1	1	1	2	2	3	2	2	2	2	1
17	2	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	2	3	2	2	3	3	3	2	2
18	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	2	2	2
19	1	1	1	0	0	1	1	1	1	1	***	1	1	1	1	1	2	2	2	2	2	1	1	2	1
20	2	1	1	1	2	1	1	1	1	2	1	1	1	1	2	2	3	3	2	2	3	3	3	3	2
21	3	2	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	4	4	4	6	5	4	4	3
22	4	3	3	2	2	2	2	2	2	2	2	2	2	1	2	0	0	3	1	3	3	2	0	2	2
23	2	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	2	2	2	2	1	1	1	1	1	2	2	2	2	2	3	2	2	2	2	2
25	2	1	1	1	1	2	2	2	1	2	***	2	2	2	2	3	3	4	3	2	3	2	2	2	2
26	2	1	1	1	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	1	1	1	2
27	1	1	1	1	1	2	2	2	1	1	1	1	1	1	2	2	3	2	2	2	2	2	3	3	2
28	3	3	2	2	2	2	2	2	2	2	2	2	2	1	2	1	2	2	1	1	1	1	1	1	2
29	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	2	2	2	2	1	1	1	2
30	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2	3	2	3	3	2	2	2	2	2	2
31	3	2	2	2	2	2	3	2	2	2	2	2	2	1	1	2	3	2	1	2	1	2	2	2	2
MEAN	2	1	1	1	1	2	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1.8

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																											
POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION													
STATION - SE NO 51001		MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA																								MONTH - NOV 78	
HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	2	2	1	1	1	1	2	1	2	2	2	1	2	1	1	2	3	3	2	2	3	3	3	2	2		
2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	4	4	...	...	...	...	...	2		
3	2	2	2	2	2	2	1	1	2	4	4	...	2	2	3	5	7	1	2	1	2	2	0	2	2		
4	1	...	2	2	3	2	2	2	1	2	2	3	5	4	5	5	5	4	3	3	3	2	2	3	3		
5	2	2	1	1	1	1	1	1	1	1	1	1	2	2	3	4	4	4	3	3	3	3	3	3	2		
6	2	2	3	3	2	2	3	4	4	4	3	2	2	2	2	2	2	2	2	2	2	2	1	1	2		
7	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2		
8	2	2	2	2	2	2	1	1	0	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2		
9	2	2	1	2	2	2	1	1	1	1	1	1	2	2	2	3	3	...	...	...	...	...	...	...	2		
10	...	1	1	1	1	1	2	2	2	1	1	1	2	2	2	1	2	2	2	1	1	1	1	1	1		
11	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	0	1	1	1	1	1	1		
12	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	2	2	2	2	1		
13	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	2	2	2	2	2	1	1	2	2	1		
14	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	2		
15	1	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	...	...	4	3	2	3	3	3	2		
16	3	3	2	2	2	2	3	3	4	...	2	2	1	2	1	3	4	5	5	4	4	4	4	4	3		
17	4	4	3	4	3	4	4	3	4	3	3	3	4	4	4	4	3	4	3	3	3	3	3	3	3		
18	2	2	1	1	2	2	2	2	2	2	2	2	1	1	1	2	1	1	1	1	2	2	1	2	2		
19	3	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
20	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1		
21	1	1	1	1	1	1	2	2	1	1	1	0	1	2	2	3	3	4	4	4	4	4	4	4	3		
22	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	4	3	4	3	3	3	3	3	3		
23	3	3	3	3	4	4	4	4	4	3	3	3	3	4	3	3	3	3	3	3	3	3	3	3	3		
24	3	3	3	3	3	3	2	2	2	1	1	2	2	2	2	3	3	3	3	3	3	3	2	2	2		
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1		
26	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	3	6	6	4	4	4	6	5	2		
27	3	2	3	2	2	2	3	4	5	3	3	0	-	-	1	2	2	3	3	2	2	2	2	2	2		
28	2	2	2	2	2	2	3	4	3	3	3	2	1	1	2	3	4	4	4	3	4	3	4	4	3		
29	4	5	5	5	4	4	3	3	3	3	3	2	2	3	3	4	6	7	5	5	5	5	5	5	4		
30	3	3	2	3	3	3	3	3	3	2	0	1	1	1	1	1	2	3	2	2	3	3	2	2	2		
MEAN	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	3	3	3	2	2	2	2	2	2.1		

PERCENTAGE OF DATA VALID - 97.2 PERCENTAGE OF DATA INVALID - 2.5 PERCENTAGE OF DATA UNAVAILABLE - 0.3



POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA

MONTH - DEC 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	2	2	1	2	3	4	4	4	3	2	2	2	3	4	4	3	4	3	3	3	3	3	3
2	2	2	1	1	0	1	1	2	2	1	1	1	1	1	1	1	1	2	1	1	2	2	2	2	1
3	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1
5	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	2
6	3	3	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	2	2	3	3	2	2
7	2	2	2	1	1	1	3	3	3	2	2	2	2	2	2	3	3	3	2	2	1	2	3	3	2
8	2	1	1	1	1	1	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	1	1	2
9	1	1	1	1	1	1	1	1	1	0	0	0	1	1	2	2	2	2	2	2	2	2	3	3	1
10	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	2	2	2	2	2	2	3	2	1
11	3	3	3	3	3	3	3	3	2	2	3	4	7	7	6	5	4	4	3	4	4	4	4	4	4
12	5	4	4	3	3	3	3	3	2	3	2	2	3	4	5	4	5	4	4	3	3	3	3	3	3
13	3	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	2	2	2	2	1	1	2
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	4	4	5	4	3	4	3	3	2
15	3	2	2	2	2	2	2	2	3	3	4	3	4	3	2	3	3	3	3	2	2	2	2	2	3
16	3	3	3	2	3	3	2	2	2	2	2	2	2	2	4	5	5	4	5	3	3	3	3	3	3
17	3	3	3	4	3	3	3	3	3	1	1	0	1	1	1	1	1	1	1	0	0	1	1	1	2
18	0	0	0	0	0	0	1	2	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1
19	1	0	0	0	0	0	1	2	1	1	1	1	1	1	2	2	3	2	3	3	3	2	2	2	1
20	1	1	2	2	1	1	2	2	3	3	3	1	2	2	3	2	2	3	6	4	2	2	2	2	2
21	1	1	1	1	1	2	3	4	4	2	1	1	1	1	1	1	2	2	1	1	2	3	2	2	2
22	3	2	2	2	2	2	3	4	4	4	4	4	3	3	2	2	3	3	2	3	2	3	3	4	3
23	4	4	4	4	4	4	2	2	2	2	2	1	1	2	2	3	3	3	3	3	3	2	2	3	3
24	3	3	3	3	2	2	2	2	1	1	1	1	1	1	2	2	3	2	1	1	1	1	1	1	2
25	1	1	1	1	1	0	0	0	0	0	0	0	0	1	2	2	1	2	2	1	2	2	1	1	1
26	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	2	2	1	1	1	1	1	1
27	1	0	0	0	0	0	0	1	1	0	0	0	1	1	1	2	2	2	1	1	1	1	1	1	1
28	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1
29	2	1	1	2	2	2	2	3	2	2	1	1	1	1	2	3	3	3	3	4	4	5	4	4	2
30	4	3	3	3	3	2	2	2	2	2	3	4	4	3	2	3	3	3	3	3	3	3	2	2	3
31	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	4	5	4	4	4	3	3
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2.0

PERCENTAGE OF DATA VALID - 98.7

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	2.4	5	8
FEB	28	1.9	5	8
MAR	31	2.7	5	9
APR	30	1.8	4	6
MAY	31	1.7	4	7
JUN	30	1.5	3	5
JUL	31	1.6	4	8
AUG	31	1.2	3	4
SEP	30	1.3	2	5
OCT	31	1.8	3	7
NOV	30	2.1	4	7
DEC	30	2.0	4	7
YEAR	364	1.8	5	9

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST. OTTAWA

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	198	389	144	1	0	0	0	732
FEB	337	194	126	11	0	0	0	668
MAR	172	347	209	8	0	0	0	736
APR	366	270	79	0	0	0	0	715
MAY	359	292	77	4	0	0	0	732
JUN	425	267	22	0	0	0	0	714
JUL	406	291	34	5	0	0	0	736
AUG	527	195	13	0	0	0	0	735
SEP	481	213	16	0	0	0	0	710
OCT	322	383	33	1	0	0	0	739
NOV	262	358	78	2	0	0	0	700
DEC	263	402	67	2	0	0	0	734
YEAR	4118	3601	898	34	0	0	0	8651

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
98.8	0	0.0	0.5	1.1	1.8	3.1	3.9	4.8	5.3	9	1.8

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	3	4	4	5	4	4	4	3	3	3	2	2	2	2	2	2	1	2	2	2	2	2	2	3
2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	1	1	1
3	2	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	2	1
4	2	2	2	2	2	2	2	3	3	2	1	1	2	3	2	3	3	3	4	3	4	3	4	3	3
5	3	4	3	3	2	3	3	3	3	3	2	1	1	2	2	2	3	3	1	2	2	1	1	1	2
6	1	1	1	1	1	2	2	3	2	2	1	2	1	2	2	3	4	4	3	3	4	4	3	3	2
7	3	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2
8	3	3	3	3	3	3	3	3	2	2	1	1	1	1	1	1	2	4	4	2	2	1	2	2	2
9	1	1	1	1	1	2	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	2	2	2	2	1	1	1	2	2	1
12	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2	2	4	4	4	4	3	3	4	3	2
13	3	4	4	4	3	2	2	2	3	2	3	3	4	6	5	5	5	5	4	3	2	2	2	2	3
14	2	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2	1	1	1	1
16	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	2	3	4	5	6	5	4	4	2
17	4	4	4	4	5	5	5	6	6	4	4	3	2	3	3	5	5	10	9	7	6	5	4	3	5
18	3	2	2	2	1	1	1	1	1	1	1	0	1	1	1	2	2	3	3	3	3	4	4	4	2
19	3	3	3	3	3	2	3	4	3	3	2	2	3	2	2	3	4	4	4	4	5	6	5	6	3
20	4	4	4	4	3	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2
21	1	1	1	1	1	1	1	2	2	1	2	1	1	1	2	3	3	3	3	3	3	2	2	2	2
22	2	2	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2	2	2	2	3	2	1
23	2	1	2	2	2	1	1	2	2	2	1	3	2	2	2	2	2	2	2	2	2	2	2	1	2
24	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	2	2	3	4	3	3	5	5	3	2
25	2	2	2	1	2	2	3	4	5	5	5	4	3	3	4	4	4	5	6	5	4	4	4	3	4
26	3	2	2	2	2	1	2	2	2	2	2	3	3	2	2	2	2	2	2	2	1	1	1	1	1
27	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	2	1	1	1	1
31	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2.0

PERCENTAGE OF DATA VALID - 96.9

PERCENTAGE OF DATA INVALID - 3.0

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST.. CORNWALL MONTH - FEB 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2	4	4	3	2	3	3	3	3	3	2	1	0	0	0	1	2	2	3	4	5	4	4	3	4	*****
3	4	4	4	3	3	3	3	3	3	3	2	2	1	1	1	1	2	2	3	3	3	3	3	3	2
4	3	4	4	3	3	3	3	3	3	3	2	2	1	1	1	2	2	3	3	2	2	3	3	3	3
5	2	2	2	3	4	4	4	4	1	2	1	1	2	2	2	2	3	4	4	4	3	3	3	3	3
6	5	4	3	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2
7	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	1	1	1	1	0
8	1	1	1	2	3	4	5	5	4	1	1	1	1	1	1	2	2	3	4	3	2	2	2	2	2
9	2	2	2	2	2	1	1	2	2	2	2	2	2	2	1	3	3	3	3	3	3	3	4	4	2
10	5	4	3	3	3	4	4	5	3	2	2	2	1	1	1	2	2	3	3	3	3	2	2	2	3
11	1	1	1	1	2	2	1	1	1	2	1	1	2	1	1	1	1	2	2	3	3	3	3	1	2
12	2	2	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	2	1	3	2	2	2	1	1
13	1	1	1	1	1	1	1	1	2	****	****	0	1	1	1	1	1	2	2	4	4	5	5	4	2
14	5	4	4	3	3	3	2	2	2	2	2	2	3	2	2	2	2	2	4	5	6	5	4	4	3
15	2	2	2	3	2	2	2	2	3	3	3	2	2	2	2	2	2	3	5	6	5	3	2	2	3
16	2	3	3	6	7	8	7	7	6	4	4	3	3	2	2	3	5	7	6	6	5	5	5	5	5
17	5	4	6	6	5	4	5	6	5	6	4	4	2	1	2	1	2	2	1	1	1	1	1	1	3
18	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	2	2	2	1	1	1	1	1	2	1
19	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	2	2	2	1	1	2	3	1
20	2	1	1	2	2	2	2	2	1	****	2	2	1	1	1	1	3	3	3	3	3	2	2	2	2
21	2	2	2	2	3	3	2	3	3	2	2	1	1	1	1	1	1	2	2	1	1	1	2	2	2
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1
23	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	2	2	2	3	3	3	2	2	2	2
24	3	2	2	2	1	1	2	2	3	2	2	2	2	2	3	2	2	2	3	2	3	3	3	3	2
25	3	3	3	2	3	3	3	3	3	2	2	1	0	1	1	1	1	1	2	3	3	3	2	3	2
26	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	2	2	2	1	1	2	2	1
28	2	2	4	4	5	4	4	4	4	****	****	1	1	1	1	1	1	3	2	4	4	5	4	4	3
MEAN	2	2	2	2	2	2	2	3	2	2	2	1	1	1	1	2	2	3	3	3	2	2	2	2	2.1

PERCENTAGE OF DATA VALID - 93.9

PERCENTAGE OF DATA INVALID - 6.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST.. CORNWALL MONTH - MAR 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	5	4	5	5	5	5	4	3	1	1	0	0	1	1	1	1	2	3	2	2	2	2	2	3
2	2	3	2	1	1	1	2	2	1	0	0	0	0	1	1	1	2	2	2	1	1	1	1	1	1
3	1	1	1	1	3	3	3	6	5	2	1	0	1	2	1	1	2	2	1	2	1	3	2	2	2
4	1	2	1	1	1	1	1	1	0	1	0	****	0	0	0	1	1	1	1	1	0	1	0	1	1
5	0	0	0	0	1	1	1	0	0	0	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	2	1
7	1	0	1	1	1	1	1	1	1	1	1	1	1	1	****	1	1	2	2	2	3	2	1	1	2
8	3	3	3	2	1	1	2	2	2	1	1	2	1	1	1	1	1	1	2	2	1	1	2	2	1
9	1	1	1	1	1	2	1	1	1	0	1	1	1	1	1	1	2	2	2	2	1	2	2	2	1
10	2	3	1	1	1	1	1	2	2	2	1	2	3	2	1	3	4	4	4	5	5	4	4	6	3
11	6	4	3	2	3	2	2	2	2	2	1	2	3	3	2	2	2	8	2	3	2	2	2	2	3
12	1	1	1	2	1	1	1	2	2	1	2	1	2	1	1	1	1	1	2	2	3	3	4	4	2
13	3	3	2	2	1	2	2	2	2	1	1	1	1	1	1	1	3	4	3	4	6	5	5	5	3
14	3	3	3	4	2	2	1	2	2	3	4	3	1	1	1	1	2	1	1	2	1	1	1	2	2
15	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	2	2	2	2	1
16	1	1	1	2	2	2	2	2	1	1	1	0	1	1	1	1	1	1	3	3	2	3	3	3	2
17	3	3	3	2	2	1	1	1	2	1	1	0	0	0	0	0	1	1	2	2	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
19	1	0	0	0	0	0	0	0	1	1	1	1	1	2	1	1	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	1	1	1	0	1	1	2	1	1	1	1	2	2	2	3	3	2	2	1
21	2	4	5	5	3	3	3	3	3	****	3	3	3	3	3	3	3	3	3	3	2	2	2	2	3
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	2	1	1
23	1	1	1	1	1	1	2	3	4	3	2	2	2	2	0	1	2	1	1	2	1	1	2	1	2
24	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	1	1	2	2	3	4	1
25	4	3	4	4	4	4	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	4	2	4	2
26	3	3	2	2	1	0	0	0	0	2	1	2	3	3	3	2	2	2	2	2	2	2	2	2	2
27	1	1	1	1	1	1	1	1	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	2	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1
31	2	1	1	1	1	2	1	2	1	1	1	1	1	1	1	1	2	2	5	4	5	3	3	2	2
MEAN	2	2	2	2	1	1	1	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1.6

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST.. CORNWALL															MONTH - APR 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	1	1	1	1	1	1	1	2	3	4	2	2	2	2	2	2	2	2	2	1	1	0	2
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	2	0
3	1	2	1	1	1	1	2	2	2	***	***	1	1	1	2	2	2	2	1	1	1	1	1	1	1
4	1	1	1	1	1	1	2	2	2	3	3	3	2	3	5	6	5	4	3	3	2	2	3	3	3
5	4	3	3	3	2	1	1	2	1	2	1	1	1	2	2	2	3	2	2	2	1	1	1	2	2
6	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	2	2	2	1	1	1	2	2
7	2	2	2	1	1	1	2	3	2	2	3	3	3	0	1	1	1	2	3	3	3	4	3	3	2
8	2	1	1	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1	2	2	1	1	1	1	2
9	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	1	2	2	2	2	1
10	1	1	1	1	2	2	1	1	1	0	1	1	1	1	1	1	2	3	3	4	3	3	4	3	2
11	1	1	1	1	1	1	2	3	3	2	3	3	3	3	3	4	6	2	2	2	1	1	2	1	2
12	1	1	1	1	1	1	2	1	1	2	1	1	1	1	1	2	2	1	2	3	3	3	4	2	2
13	2	2	2	2	3	3	3	4	3	0	2	1	0	***	1	1	1	1	1	0	0	0	0	1	1
14	0	0	0	0	0	0	0	6	4	2	6	5	1	1	0	0	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
16	1	1	1	0	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
17	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	2	3	2	3	2	1
18	2	2	2	1	1	1	1	1	1	2	0	0	0	0	0	1	1	1	1	2	2	1	1	2	1
19	2	2	1	1	1	1	2	2	1	1	1	1	1	1	1	2	2	2	2	2	1	0	0	0	1
20	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1
21	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	2	2	1
22	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	4	2	3	3	4	1
23	2	2	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	2	3	3	2	2	1
24	2	2	1	1	1	1	1	1	1	0	0	1	0	0	0	0	0	0	1	3	2	2	2	3	1
25	2	1	1	1	1	1	1	0	0	0	0	0	0	0	1	0	1	2	3	4	3	3	4	1	1
26	3	3	3	3	3	3	2	2	2	1	1	0	1	1	1	1	1	2	3	4	4	4	4	2	1
27	1	2	4	4	4	3	2	1	2	0	0	0	0	0	1	1	1	2	4	4	4	3	3	2	1
28	3	3	4	4	3	2	2	1	1	1	1	1	1	0	0	0	0	0	1	2	1	2	1	1	1
29	1	2	2	1	2	2	1	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	1
30	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.4 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST.. CORNWALL															MONTH - MAY 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	1	1	1	1	1	0	1	1	1	1	1	1	0	0	0	1	1	1	1
2	0	0	0	1	0	1	0	0	1	0	1	1	1	1	1	1	1	1	1	2	1	1	2	1	1
3	0	0	0	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	2	1	2	1
4	2	1	1	1	1	2	1	1	0	1	1	0	0	1	1	1	1	1	2	3	3	2	2	1	1
5	2	2	3	3	3	2	2	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	1	2
6	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	0	0	1	1	1	1	***	1	1	1	1	1	0	0	0	0	1	2	3	4	3	1	1
9	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2	1
11	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	2	1	1	1
12	2	2	2	1	1	2	2	4	2	2	2	1	2	2	2	2	2	3	4	4	3	2	1	2	2
13	1	2	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	2	4	4	3	2
14	3	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	1	1	1	1	0	1
15	0	0	0	0	0	0	0	0	***	1	1	***	***	***	1	1	1	1	1	1	1	1	0	0	1
16	0	0	0	0	0	1	1	1	1	1	1	***	***	***	1	1	1	1	1	1	1	1	0	0	1
17	0	0	1	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	***	-	3	1	0	0	0	0	0	0	0	1	1	1	1	1	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	2	3	3	2	2	2	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	***	0	0	0	0	2	1	1	0	0	1	1	0	0	0	0	0
31	0	1	1	1	1	2	1	1	0	0	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7

PERCENTAGE OF DATA VALID - 98.9 PERCENTAGE OF DATA INVALID - 0.9 PERCENTAGE OF DATA UNAVAILABLE - 0.1

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL

MONTH - JUN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
2	0	1	0	0	1	1	1	1	1	1	1	1	1	2	1	2	1	1	1	1	1	1	1	1	1
3	1	1	0	1	1	0	0	0	1	1	0	1	1	1	0	1	0	0	1	1	1	1	1	1	1
4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0
5	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	0	1	0	0	0	1	1	1	1	1	1	1	1	2	1	1	1	0	0	0	0	0	0	0	1
8	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1
9	0	0	0	0	0	0	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	0	0	1	0	0	0	0	1	1	1	0	1	1	0	1	1	1	1	1	1	1
11	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
13	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0	1	1
14	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	0	0	1	0	0	1	0	0	1	1	1	1	1	1	1	2	2	2	2	1
16	1	1	1	1	1	1	1	1	1	0	0	0	0	1	0	0	0	1	1	2	3	3	2	1	1
17	1	1	1	0	1	0	0	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
18	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	1	0	1	1	1	1	1	0
19	0	1	1	0	0	1	1	1	0	1	1	0	0	0	1	1	1	0	1	1	1	0	0	1	1
20	1	0	1	0	0	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1
21	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0
22	0	0	0	0	0	0	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1
26	1	1	0	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
27	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	1	1
30	1	1	0	1	1	1	1	1	0	0	0	0	1	1	1	0	0	1	1	3	2	2	2	1	1
MEAN	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.6

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL

MONTH - JUL 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0
2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0
3	0	0	1	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1
4	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	2	1	1	1	0
5	1	0	0	0	0	1	0	1	1	1	1	1	0	0	1	1	1	1	0	0	1	1	0	0	1
6	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
7	0	0	0	0	0	0	1	1	1	1	1	2	2	2	2	2	1	1	1	2	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	1	1	1	0	0	1
10	0	0	0	0	0	0	1	1	1	2	2	2	1	1	1	1	0	0	0	0	0	1	1	1	1
11	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	1	0
12	1	1	1	1	1	1	0	1	1	2	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1
13	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	0	0	0	0	1
14	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	1	1	2	2	1	1	1
15	1	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
17	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1
18	0	1	1	1	1	1	1	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1
19	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	1	1	0
31	1	1	1	1	1	1	2	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0.6

PERCENTAGE OF DATA VALID - 94.9

PERCENTAGE OF DATA INVALID - 5.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL															MONTH - AUG 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3	3	2	2	2
2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	2	3	2	1	1	0	1
3	0	0	0	0	0	0	0	1	***	2	2	1	1	1	2	1	1	1	2	1	1	1	0	0	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
6	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1
8	1	1	1	1	1	2	2	1	1	1	1	2	1	1	1	1	1	1	1	1	0	0	0	1	1
9	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	3	2	1	1
11	1	1	0	0	0	1	1	1	1	0	0	0	0	0	***	1	1	1	1	2	2	2	1	1	1
12	1	1	0	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	1	1	1	1	1	1	2	2	1	1	0	0	0	0	0	0	0	1	1	1	1	0	1
15	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
16	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	1	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	0	0	1
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	1	0	0	0
25	0	0	0	0	0	0	0	***	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0.5

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.4 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL															MONTH - SEP 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	0	0	0	0	0	****	0	0	0	1	1	1	1	1	0	0	1
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	1	1	1	2	1	1	1
7	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	1	1	1	0	1	3	2	1	1	1
8	1	1	1	1	1	0	1	1	2	1	0	0	0	0	0	0	0	0	1	3	3	2	1	1	1
9	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0
10	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
11	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0
14	0	0	0	1	1	1	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	1	1	1	1	1	2	2	2	1	1	1	2	1	1	1	2	2	2	1	1	1	1	0	0	1
19	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1
20	2	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0	0	0
21	1	0	0	0	0	0	0	1	2	2	2	2	****	****	****	2	1	2	2	2	2	1	1	1	1
22	1	0	0	0	1	1	1	1	1	1	0	0	0	1	0	1	1	2	2	2	2	2	2	2	1
23	3	2	2	2	2	1	1	1	3	2	2	1	1	1	1	1	1	1	3	3	3	1	1	1	2
24	1	2	1	1	1	2	1	1	1	1	1	2	1	1	2	2	1	1	1	1	1	3	2	2	1
25	1	1	1	1	1	1	1	1	1	0	0	0	****	****	0	1	1	1	3	2	2	2	2	2	1
26	2	2	3	2	2	1	2	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
27	1	0	0	0	0	1	1	1	1	1	1	1	2	1	2	1	2	3	3	2	1	1	1	1	1
28	1	0	0	0	0	0	1	1	1	1	1	1	1	0	1	1	1	2	2	2	2	2	2	1	1
29	2	2	2	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	2	2	2	2	2	1	1
30	2	1	1	1	1	1	1	1	0	1	0	0	0	1	0	1	1	1	1	1	0	0	0	0	1
MEAN	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0.7

PERCENTAGE OF DATA VALID - 99.0 PERCENTAGE OF DATA INVALID - 1.0 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL															MONTH - OCT 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
2	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	1	1	1	1	1	1	1	1	1
3	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1
4	1	0	0	0	0	0	0	0	0	1	1	1	1	0	1	1	1	1	0	0	0	0	0	0	0
5	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0
6	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	0	1	0
8	1	1	0	0	0	0	0	1	0	0	0	0	1	1	1	1	1	0	1	1	1	1	1	1	1
9	0	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	2	2	2	2	1	2	1	0	1	1	2	1	1	1	1	1	1	1	1
11	1	1	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	2	2	2	1	2	1	1
12	0	0	0	0	0	0	0	0	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1	1
13	2	1	1	1	1	1	2	2	1	1	2	2	2	2	1	2	2	2	3	3	3	2	2	2	2
14	2	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
15	1	1	1	0	0	0	0	0	0	0	0	1	1	0	1	1	1	1	1	1	2	1	1	2	1
16	2	1	1	2	1	2	2	2	2	1	0	1	0	1	1	1	2	2	3	4	3	4	3	2	2
17	3	2	2	2	2	2	3	4	2	1	1	1	1	1	1	2	2	2	3	2	2	2	1	1	2
18	1	1	1	1	1	1	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	2	2	2	2	1
20	2	2	2	2	2	2	3	2	2	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	2
21	1	1	1	1	1	1	1	1	2	2	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	2	3	2	2	1	1	1	1	1
24	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
25	1	1	1	1	1	2	2	1	1	1	1	1	1	2	2	2	3	3	2	1	2	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	2	2	2	3	2	3	2	2	2	2	2	2	2	2	2
27	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	2	2	2	2	1	1	1
28	1	1	1	1	1	1	1	2	2	1	1	2	1	2	1	2	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	3	3	2	3	2	2	2	1
30	3	2	2	3	2	2	2	2	2	5	1	1	1	1	1	2	3	2	2	2	1	1	1	1	2
31	1	1	1	1	2	2	2	2	2	3	3	3	2	2	3	3	5	5	3	2	2	2	2	1	2
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																										
POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION												
STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL														MONTH - NOV 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	1	1	2	2	2	3	2	2	2	2	1	1	1	2	1	2	3	2	2	1	1	1	1	1	2	
2	1	1	1	1	1	2	2	2	3	2	2	3	3	3	3	4	3	3	3	3	4	3	3	4	3	
3	4	3	3	3	2	3	3	3	4	4	3	3	3	4	1	1	2	5	6	5	7	5	4	4	4	
4	4	4	4	4	4	3	3	3	4	3	3	2	2	2	3	4	4	3	4	8	7	6	5	4	4	
5	2	2	2	2	1	2	1	1	1	1	1	2	1	2	3	4	4	4	4	3	3	3	4	4	2	
6	4	1	1	1	1	1	1	2	2	3	3	3	3	3	3	4	2	2	2	2	1	2	1	1	2	
7	1	1	1	1	1	1	2	2	2	5	1	1	1	1	1	1	2	2	3	2	3	3	3	3	2	
8	3	2	2	2	2	2	2	3	2	2	2	1	1	1	1	2	2	3	2	1	1	1	1	1	2	
9	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	2	
10	4	3	3	3	3	2	1	1	1	2	2	2	3	3	3	4	4	3	2	3	3	3	3	3	3	
11	3	2	2	2	2	2	2	2	3	3	3	3	4	4	3	4	4	3	3	1	1	1	1	1	2	
12	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	2	3	2	2	3	4	3	2	1	
13	2	2	1	1	1	1	1	1	1	2	1	1	1	1	2	2	3	4	1	1	1	1	1	1	1	
14	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	
15	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	4	3	3	3	3	3	2	2	2	
16	3	3	2	1	1	2	2	2	2	1	2	1	1	1	1	1	4	4	4	5	3	4	5	2	2	
17	2	3	3	3	3	3	3	3	2	2	2	2	3	3	3	3	4	3	2	1	1	1	1	1	2	
18	1	1	1	2	2	2	1	2	1	1	2	1	2	2	1	1	1	1	2	1	1	1	1	1	1	
19	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
20	1	1	1	1	1	1	0	0	1	1	1	1	1	0	1	1	2	2	2	2	3	2	2	1	1	
21	1	1	1	1	2	2	1	2	2	1	1	1	1	1	1	1	2	3	3	3	4	4	3	3	2	
22	3	2	3	2	2	2	1	2	4	2	2	1	1	1	1	3	4	4	4	4	3	2	2	1	2	
23	3	3	3	2	2	2	2	2	3	3	2	2	2	2	2	2	2	1	1	2	1	1	1	1	2	
24	1	1	1	0	0	1	2	2	2	1	2	2	2	2	2	3	1	1	1	1	1	1	1	1	0	
25	1	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	3	2	0	
27	1	1	1	1	1	2	1	1	2	1	1	1	1	1	1	1	2	1	1	1	1	1	2	2	1	
28	2	2	2	1	1	1	2	2	3	2	3	2	1	1	1	2	2	2	2	2	3	2	2	2	2	
29	2	3	2	2	3	4	4	4	4	3	3	2	1	1	2	3	6	4	2	2	1	1	1	1	3	
30	1	2	2	1	1	1	1	1	1	2	2	2	1	2	1	2	2	2	2	2	2	2	2	1	2	
MEAN	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	1.9	

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 56051

MEMORIAL PARK YORK/THIRD ST., CORNWALL

MONTH - DEC 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	1	2
2	1	1	2	1	1	0	0	0	1	1	2	2	1	1	1	1	1	1	2	2	2	3	2	2	1
3	3	3	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2	2	3	3	3	2	2
4	3	3	3	2	2	2	2	3	3	4	5	3	1	2	2	2	1	1	1	1	1	1	1	1	2
5	1	1	2	1	1	1	1	1	1	1	2	1	2	2	2	2	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	2	1	1	1	2	2	2	2	2	3	2	2	2	3	2	1	2	2
8	2	2	2	2	2	1	1	2	2	2	1	1	2	2	3	3	3	2	2	1	2	2	2	2	2
9	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	2
10	2	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	2	2	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	2	1	2	2	1	2	2	2	2	3	2	2	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	2	1	1	1	2	2	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1
16	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	4	4	3	4	3	3	2	2	1
17	2	3	2	1	1	1	1	2	2	2	2	1	1	1	0	0	0	1	1	1	1	0	1	0	1
18	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	2	2	3	2	1	2	2	2	2	3	2	2	2	2	2	2	2	2	2
21	1	2	2	2	2	3	3	3	2	2	2	2	1	1	2	2	2	1	1	2	2	2	2	2	2
22	1	2	1	1	1	1	2	1	1	1	1	1	2	3	4	4	4	4	4	4	4	2	1	1	2
23	1	1	1	2	1	1	1	1	1	1	1	1	1	1	2	2	1	2	2	2	3	3	5	3	2
24	2	2	2	1	2	2	3	3	3	3	2	2	2	3	4	4	2	2	2	2	3	3	2	2	2
25	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	0	0	0	1	0	0	0	0	1	0	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	0	1	0	0	0	0	0	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	3	3	3	3	3	3	3	2	2	2	3	1	1	1	1	2	2	3	3	4	4	3	4	3	2
31	3	3	3	3	3	3	3	3	3	3	3	4	3	4	3	4	4	4	4	4	4	4	4	4	3
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1.5

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 56051

MEMORIAL PARK YORK/THIRD ST., CORNWALL

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	30	2.0	5	10
FEB	26	2.1	5	8
MAR	31	1.6	3	8
APR	30	1.3	3	6
MAY	31	0.7	2	4
JUN	30	0.6	1	3
JUL	29	0.6	2	2
AUG	31	0.5	2	3
SEP	30	0.7	2	3
OCT	31	1.1	2	5
NOV	30	1.9	4	8
DEC	31	1.5	3	5
YEAR	360	1.2	5	10



## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 56051

MEMORIAL PARK YORK/THIRD ST., CORNWALL

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	321	311	86	3	0	0	0	721
FEB	248	295	83	5	0	0	0	631
MAR	445	250	45	1	0	0	0	741
APR	474	211	32	0	0	0	0	717
MAY	646	84	6	0	0	0	0	736
JUN	690	24	0	0	0	0	0	714
JUL	659	47	0	0	0	0	0	706
AUG	700	41	0	0	0	0	0	741
SEP	611	102	0	0	0	0	0	713
OCT	550	183	6	0	0	0	0	739
NOV	322	327	63	3	0	0	0	715
DEC	425	287	29	0	0	0	0	741
YEAR	6091	2162	350	12	0	0	0	8615

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT  
OF DATA  
VALID

MIN

10

30

CONCENTRATIONS  
FREQUENCY DISTRIBUTION, PERCENT

50

70

90

95

98

99

MAX

ARITH  
MEAN

98.3

0

0.0

0.1

0.5

1.0

2.2

2.9

3.8

4.4

10

1.2

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77016

ASH ST WATER TANK, SUDBURY

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	2	2	3	4	3	2	2	2	2	2	3	3	3	3	3	3	3	3	2
3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	4	3	2	3	3	4
4	5	5	5	4	3	2	2	2	2	3	3	3	3	3	3	3	3	3	3	2	1	1	2	2	3
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	2	2	1	1
6	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	3	3	2	2	2	2	3	2
7	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2
8	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	1	1	0	0	0	0	0
9	1	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0	0	0	0	0
11	0	0	0	0	0	0	0	1	1	2	2	1	1	1	1	1	2	4	4	4	4	3	2	2	2
12	2	2	1	2	1	1	3	3	2	2	2	1	1	1	1	2	2	4	4	3	2	2	3	3	2
13	3	3	2	2	2	1	1	1	2	2	1	1	1	1	1	2	2	2	2	2	2	1	1	1	2
14	1	1	0	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	0	1	1	0	0	1	1	0	1	1	0	1	2	3	3	1	2	1	1	1	1	1
16	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	3	4	4	5	3	2	3	2	2	2
17	3	2	2	2	3	3	3	5	4	4	4	3	3	3	3	3	3	4	3	3	3	3	3	3	3
18	3	2	2	2	1	1	2	3	3	2	2	1	1	1	1	2	3	3	5	4	4	3	3	3	3
19	3	4	5	5	4	4	3	3	4	3	2	2	2	1	2	2	2	3	2	2	2	2	1	1	1
20	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	3	3	3	2	2	2
22	2	2	2	2	2	3	3	2	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2
23	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	2	2	1	1	1	1	2	1	1
24	1	1	1	1	1	1	1	1	2	2	1	2	2	3	3	2	3	3	2	2	1	1	1	1	2
25	2	1	2	1	1	1	1	3	4	2	2	2	3	3	3	2	3	2	2	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1
28	0	0	0	1	0	1	0	0	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	0	0	0	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1
30	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	2	3	4	4	4	4	5	5	5	2
31	5	4	5	4	4	4	3	4	4	4	3	3	3	2	2	2	2	2	2	2	2	2	2	2	3
MEAN	2	2	1	1	1	1	1	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	1.6

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77016

ASH ST WATER TANK. SUDBURY

MONTH - FEB 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	0	2	2	2	2	1	1	1	1	1	2	3	4	4	4	4	4	3	3	2
2	3	3	2	2	2	2	2	3	3	2	2	2	2	3	4	4	4	4	5	5	4	4	4	3	3
3	3	3	2	1	1	1	1	2	2	1	1	1	1	1	1	2	2	3	5	4	4	4	4	4	2
4	4	4	4	4	4	4	4	4	4	5	5	3	3	2	2	2	3	3	3	4	3	2	2	3	3
5	2	2	2	2	2	2	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	2	1	2	2	3	4	2
10	3	4	4	3	3	3	2	4	5	6	3	2	2	2	2	2	3	4	5	4	5	5	5	4	4
11	4	3	2	3	2	2	1	2	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	3	3	3	3	2	1	1	2	2	3	2	3	2	2	2	2	2	3	2	3	2	2	2	2	2
15	4	4	4	3	3	4	3	4	5	3	4	2	3	2	2	2	4	4	4	3	3	3	4	4	3
16	3	3	3	3	3	3	3	4	4	2	2	2	2	2	2	2	2	2	3	3	4	3	3	3	3
17	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
18	2	2	2	2	2	2	2	1	1	2	3	1	1	1	1	1	1	2	3	3	3	3	1	1	1
19	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	2	4	4	5	5	4	5	2
20	6	5	5	5	4	4	4	4	5	6	7	3	3	8	6	3	3	4	5	6	5	5	4	3	5
21	3	2	2	2	1	2	2	1	1	1	1	1	1	1	1	1	2	2	2	3	1	1	1	1	2
22	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	2	3	2	1	1	1	1	1	1
23	1	1	1	1	1	1	1	2	2	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1
24	1	1	1	1	1	1	1	1	2	2	1	1	2	2	2	2	2	3	3	3	3	3	2	2	2
25	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
26	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	2	2	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	- DATA INVALID -																								
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2.0

PERCENTAGE OF DATA VALID - 91.8

PERCENTAGE OF DATA INVALID - 8.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77016

ASH ST WATER TANK. SUDBURY

MONTH - MAR 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	- DATA INVALID -																								
2	- DATA INVALID -																								
3	- DATA INVALID -																								
4	- DATA INVALID -																								
5	- DATA INVALID -																								
6	- DATA INVALID -																								
7	- DATA INVALID -																								
8	- DATA INVALID -																								
9	- DATA INVALID -																								
10	- DATA INVALID -																								
11	- DATA INVALID -																								
12	- DATA INVALID -																								
13	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
14	3	2	2	2	1	1	2	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	4	4	3	3	2	3	3	3	3	2	2	2	1	1	1	2	2	3	4	4	4	4	4	4	2
17	3	3	2	2	2	3	3	3	3	2	2	2	2	2	2	2	2	2	4	4	4	4	4	4	3
18	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	2	2	1
20	1	2	2	4	4	4	3	4	3	3	3	3	1	1	1	2	2	2	2	3	3	4	3	3	3
21	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	2	2	3	3	3	2	2	2	2	2	2	3	3	2	3	2	2	1	1	2
23	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	1	1
24	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	3	3	2	1	2	1	1
25	2	1	1	1	2	1	3	2	1	2	3	2	2	1	1	1	2	2	3	4	4	4	4	3	2
26	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1
28	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	1
30	3	3	1	1	2	2	3	4	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
31	1	1	1	1	1	3	2	2	1	1	1	1	1	2	2	2	3	2	2	2	2	2	2	2	2
MEAN	2	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1.5

PERCENTAGE OF DATA VALID - 58.7

PERCENTAGE OF DATA INVALID - 41.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION																		
STATION - NE NO 77016 ASH ST WATER TANK, SUDBURY														MONTH - APR 78																		
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN							
1	1	1	1	1	1	1	1	2	1	1	1	0	1	0	0	1	1	0	1	1	1	1	1	0	1							
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	1	0							
3	1	0	0	0	0	0	0	1	1	1	1	DATA INVALID												1	1	1	1	1	1	1	1	1
4	DATA INVALID												1	0	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1			
5	DATA INVALID												0	0	1	1	1	1	2	2	3	3	3	3	1	1	1	2				
6	2	1	1	2	2	1	1	1	1	1	1	1	1	1	2	2	3	3	3	3	3	1	1	1	2							
7	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1							
8	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	1	2	1	1							
9	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	2	2	2	2	1	1							
10	1	1	1	1	1	1	1	1	2	2	2	DATA INVALID		2	2	2	3	3	2	1	1	1	1	2	2							
11	1	1	1	1	1	2	3	4	4	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2							
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	DATA INVALID																
13	DATA INVALID												DATA INVALID																			
14	DATA INVALID												DATA INVALID																			
15	DATA INVALID												DATA INVALID																			
16	DATA INVALID												DATA INVALID																			
17	DATA INVALID												DATA INVALID																			
18	3	3	3	3	2	2	2	2	2	2	1	1	1	1	1	0	0	0	1	3	4	4	3	2	2							
19	1	1	1	0	1	1	1	2	2	2	2	2	2	2	DATA INVALID		2	2	2	1	1	1	1	1	1							
20	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1							
21	1	0	0	0	0	1	0	1	1	1	0	DATA INVALID		1	1	0	0	1	1	1	1	1	1	1	1							
22	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	2	2	2	1	1	1							
23	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	2	2	2							
24	1	1	1	1	1	1	1	1	1	0	0	1	1	1	DATA INVALID		1	1	1	1	1	1	1	1	1							
25	1	1	1	0	0	0	0	1	1	1	1	0	1	1	1	1	1	1	2	2	2	2	1	1	1							
26	2	1	1	1	1	1	1	1	1	1	1	1	1	DATA INVALID		1	1	1	1	2	2	4	3	2	2							
27	2	2	2	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	2	2							
28	2	2	1	1	2	1	1	2	2	2	1	2	1	1	1	1	1	1	1	1	1	1	0	1	1							
29	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1							
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1.0							

PERCENTAGE OF DATA VALID - 76.3

PERCENTAGE OF DATA INVALID - 23.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION														
STATION - NE NO 77016 ASH ST WATER TANK, SUDBURY														MONTH - MAY 78														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN			
1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0			
2	0	0	0	0	0	0	1	1	0	0	0	1	1	1	0	0	1	0	0	1	1	1	1	1	0			
3	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	2	2	2	1			
4	1	1	2	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	2	1			
6	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	2	2	3	2	2	1			
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
8	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	1	1	2			
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1			
10	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0			
11	1	1	1	2	3	2	1	1	2	2	1	1	1	1	1	2	2	1	2	2	2	2	2	1	2			
12	1	1	1	1	1	1	2	3	3	3	2	2	3	3	3	2	2	2	2	2	2	1	1	1	2			
13	1	1	1	1	1	1	2	2	3	2	2	1	1	1	2	3	2	1	1	1	1	1	1	1	1			
14	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1			
15	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	2	1	1	1	2	2	1			
16	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1			
17	1	1	0	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	2	2	2	1	2	2	1			
18	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
19	1	1	2	2	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1			
20	1	1	2	2	1	1	1	1	1	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1			
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0			
22	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	1	1	1	1	1	1	0			
23	0	0	0	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
24	DATA INVALID														1	1	1	1	1	1	1	1	1	1	1	1	1	
25	DATA INVALID														1	1	1	1	1	1	1	1	1	1	1	1	1	
26	DATA INVALID														0	0	0	0	0	0	0	0	0	0	0	0	1	0
27	1	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0			
28	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0			
29	0	1	2	1	1	2	2	2	0	0	0	0	0	0	0	1	1	1	1	1	3	5	4	3	1			
30	1	2	3	2	3	4	3	3	2	1	1	2	1	1	1	1	1	1	1	1	1	1	2	3	2			
31	1	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9			

PERCENTAGE OF DATA VALID - 87.5

PERCENTAGE OF DATA INVALID - 12.5

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77016

ASH ST WATER TANK. SUDBURY

MONTH - JUN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	1	1	1	2	1	1	1	1	1	****
2	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	0	0	0	0	0	1	0	0	0	0	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	1	1	2	1	0
6	0	0	0	0	0	1	1	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1
7	1	1	1	1	1	2	2	2	2	1	2	2	1	1	1	1	2	1	2	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	4	3	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1
10	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	3	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	1	1
12	3	2	1	1	2	1	2	2	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
13	0	1	1	1	1	1	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1
16	1	1	1	1	1	2	2	3	2	2	****	****	2	2	1	2	2	1	2	1	1	1	1	1	2
17	1	1	1	1	1	2	2	1	1	1	1	2	2	1	1	1	1	1	2	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	0	1	1	****	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
20	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
21	2	1	1	1	3	2	2	2	2	1	1	2	2	1	1	1	1	1	1	1	1	1	1	0	1
22	0	0	0	0	0	1	1	1	0	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	1	****	1	0	0	0	0	0	0	0	0	2	3	1	1	0
24	1	1	1	1	1	0	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1
26	1	1	1	1	1	1	2	2	2	1	****	****	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1
28	1	1	1	1	1	1	1	1	1	0	1	0	****	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1
30	1	1	1	1	0	1	1	1	1	1	****	1	1	1	1	1	1	1	1	1	2	2	2	2	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 96.5

PERCENTAGE OF DATA INVALID - 3.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77016

ASH ST WATER TANK. SUDBURY

MONTH - JUL 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	2	1	1	1	1	1	1	1	0	0	0	1	0	0	0	1	1	1	1	2	1
2	2	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	2	2	2	2	1
3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	1
4	3	1	2	1	2	2	1	1	1	1	1	****	****	****	1	1	1	1	1	1	1	1	1	1	1
5	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1
6	0	0	0	0	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
7	1	1	1	1	1	1	2	2	1	1	1	****	1	1	1	1	1	1	1	1	1	1	2	2	1
8	2	1	1	1	1	1	2	1	1	1	1	0	0	0	0	0	0	0	0	1	2	2	2	2	1
9	2	1	1	2	1	1	1	1	0	1	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1
10	0	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0	0	0	0	0	0	0	1	1	0
11	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	1	1	1	0
12	1	1	1	1	1	1	2	****	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1
13	0	0	0	1	1	1	2	2	1	1	1	2	1	2	2	1	1	1	1	1	1	1	1	1	1
14	1	1	1	0	0	0	1	1	1	****	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0
17	1	1	1	1	1	1	1	1	****	1	1	1	0	0	0	0	1	1	2	1	1	1	1	1	1
18	1	0	1	2	2	2	1	1	1	1	1	1	2	2	1	1	1	1	1	1	2	2	2	1	1
19	1	1	1	1	1	1	1	1	1	1	****	1	2	2	1	1	1	1	2	2	2	2	2	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	****	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
23	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	0
24	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	0	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	2	1	1	1	1	0	1	1	1	1	1	1	1	2	1	1	1	1	1
27	0	0	1	0	0	0	1	1	1	1	****	1	1	1	1	0	0	0	0	0	0	0	0	0	0
28	0	0	0	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
30	1	1	1	1	1	1	1	1	0	0	1	1	0	0	0	0	0	0	1	2	2	1	1	1	1
31	1	1	1	1	1	1	1	1	1	1	1	1	1	1	****	1	1	1	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 98.1

PERCENTAGE OF DATA INVALID - 1.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION																					
STATION - WE NO 77016														ASH ST WATER TANK, SUDBURY											MONTH - AUG 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN										
1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										
2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	2	1	1	1	0	0	1	1										
3	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	0	0	0										
4	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										
5	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	2	1										
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										
8	1	1	1	2	1	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										
9	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
10	1	0	0	0	0	0	0	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1										
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										
12	1	1	1	2	2	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1										
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										
15	1	1	1	1	1	2	4	2	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1										
16	1	0	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										
17	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	0										
18	2	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1										
19	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	0	0	0	1	0	0	1	1	1										
20	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1										
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1										
23	1	1	1	1	0	0	0	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1										
24	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1										
25	1	1	2	2	1	2	1	2	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1										
26	1	1	1	1	1	1	1	1	0	1	1	1	1	0	0	0	1	1	1	2	1	1	2	1	1										
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										
28	1	1	0	1	1	1	1	1	2	1	2	1	1	1	1	1	1	1	1	0	0	0	0	0	1										
29	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										
30	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1										
31	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9										

PERCENTAGE OF DATA VALID - 98.3 PERCENTAGE OF DATA INVALID - 1.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - NE NO 77016														MONTH - SEP 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	2	1	2	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1
7	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	2	2	2	2	1
8	2	2	2	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	1	2	2	2	2	3	2	2	1
11	1	1	2	1	1	1	1	2	2	1	2	2	2	1	1	1	1	1	1	1	1	0	0	0	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1
14	1	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	2	2	2	2	2	1	1	2	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	2	2	2	2	2	1
18	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	0	1	0	1
19	1	1	1	1	1	1	2	2	1	1	1	2	2	1	1	1	1	1	2	2	1	1	1	1	1
20	1	1	1	1	1	2	3	1	2	2	2	2	3	3	3	3	3	2	2	2	1	1	1	1	2
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	1
24	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1
26	1	2	2	1	1	1	2	2	2	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
29	1	1	1	1	1	1	1	2	3	1	2	2	1	1	2	2	2	2	2	2	2	1	1	1	1
30	2	1	1	1	1	1	2	2	1	2	2	2	3	3	3	3	3	3	4	3	2	2	1	1	2
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1.2

PERCENTAGE OF DATA VALID - 98.6 PERCENTAGE OF DATA INVALID - 1.4 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - NE NO 77016 ASH ST WATER TANK. SUDBURY													MONTH - OCT 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	2	1	2	1	1	1	1	1	1	1	1	2	1	2	2	2	2	2	1
3	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	1	1	2	1	2
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1
5	1	1	1	1	1	2	2	3	2	2	1	1	2	2	2	2	0	0	0	0	1	0	0	0	1
6	2	2	1	2	2	2	2	4	3	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2	2	2	2	1
9	3	1	1	1	1	2	2	1	1	0	0	0	0	0	0	1	1	1	1	1	1	2	1	1	1
10	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	2	2	3	3	2	2	4	3	2
11	3	2	2	2	1	4	4	4	2	2	2	1	1	1	1	1	2	2	2	2	1	1	1	1	2
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
13	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	2	3	3	2	1	1
14	1	1	1	0	0	0	0	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1
15	1	1	2	2	2	3	2	2	1	1	1	1	0	0	0	0	1	2	3	2	2	2	2	1	1
16	2	1	1	1	1	1	2	2	2	1	1	1	0	0	0	0	1	1	2	2	3	3	3	1	1
17	3	2	2	1	1	1	2	3	3	2	1	1	1	1	1	1	1	1	1	2	2	2	1	1	2
18	1	1	1	1	1	1	3	3	2	2	2	2	1	1	1	1	0	0	0	0	1	0	0	1	1
19	1	1	1	2	1	1	2	3	3	3	3	3	2	2	2	2	2	2	2	2	2	1	1	1	2
20	0	0	0	0	1	2	3	1	1	1	1	1	0	0	0	0	1	1	1	2	2	1	2	3	1
21	4	3	2	2	2	3	4	3	3	4	3	2	2	2	2	1	1	2	3	3	5	5	5	4	3
22	5	4	4	2	2	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1
23	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1
24	1	1	1	2	2	3	3	3	2	2	2	2	2	1	1	1	1	1	1	2	2	1	1	1	2
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	0	0	0	0	0	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1
27	2	1	1	0	0	1	1	2	2	1	1	1	1	1	1	1	1	1	1	3	3	2	1	1	0
28	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1
29	1	1	1	1	0	1	1	1	1	1	0	1	0	0	1	1	1	2	2	2	2	3	3	3	1
30	2	2	2	2	2	1	1	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2
31	2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	1
MEAN	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1.2

PERCENTAGE OF DATA VALID - 98.7

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - NE NO 77016 ASH ST WATER TANK. SUDBURY													MONTH - NOV 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	2	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
2	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	3	3	3	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	1	1	1	0	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	2	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	2	1	1	1	1	1	1	1	1	1	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1
12	0	0	0	0	1	1	1	1	0	0	0	1	1	1	1	1	1	1	2	2	2	2	2	2	1
13	2	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	2	2	2	2	2	2	1
14	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1
15	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	3	3	3	3	2	2	1
16	1	0	1	1	0	0	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
17	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	2	2	2	1	2	2	2
18	2	2	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	2	1	2	2	1	1	1
19	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
21	1	1	2	2	3	3	2	2	2	2	2	1	1	1	1	1	2	2	3	2	2	2	2	2	2
22	2	2	2	2	2	2	2	3	3	4	3	2	1	1	2	2	3	3	3	2	2	2	2	2	2
23	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2
24	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	3	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	3	2	2	1	1	1	1	2
30	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	1	2	2	3	3	3	2	2	2	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1.2

PERCENTAGE OF DATA VALID - 95.8

PERCENTAGE OF DATA INVALID - 4.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION											
STATION - NE NO 77016 ASH ST WATER TANK, SUDBURY													MONTH - DEC 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1	3	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1
2	2	2	3	3	4	3	2	2	1	1	0	1	1	1	1	1	1	1	2	2	3	3	3	2
3	3	3	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	2	2	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	DATA INVALID													1	1	1	1	1	1	1	1	1	1	2
6	2	2	3	3	3	3	4	3	3	4	3	2	3	2	2	2	2	2	2	1	1	1	1	1
7	1	1	1	1	1	0	3	2	1	1	1	1	1	1	1	1	1	1	2	3	3	3	3	2
8	3	3	3	2	2	1	2	2	3	2	2	1	1	1	1	1	1	2	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	2	2	2	2	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	2	2	2	2	2	1	2	2	2	3	3	3	3	2	2	2	2
12	2	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1	1	1	1
13	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	0	0	1	0	0	1	1	3	3	3	2	2	2	3	3	3	3	3	2	3	2	3	3	2
15	2	3	3	3	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2
16	1	1	1	1	1	1	1	1	1	2	2	2	4	3	2	2	2	2	2	1	1	1	1	1
17	2	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1
21	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	2	3	3	2	2	2	3	3
22	3	3	2	2	2	2	2	2	3	3	3	2	2	2	2	1	2	1	1	1	1	1	1	2
23	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	2	2	2	2	3	3	4	2
24	3	2	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	3	2	2	2	2	2	2
25	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	2	3	3	2	1	1	1	1	1
27	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	2	2	1	2	2	2	2	1
28	2	2	2	1	1	1	1	2	2	2	2	1	1	1	1	2	4	4	4	3	4	3	3	2
29	3	3	3	3	3	3	2	2	2	0	2	1	2	2	2	2	2	2	2	2	2	2	2	2
30	2	2	1	1	1	1	1	1	1	2	2	3	2	3	3	3	3	3	3	3	3	3	2	2
31	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	8	8	8	8	8
MEAN	2	2	2	1	1	1	1	1	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1.6

PERCENTAGE OF DATA VALID - 92.3 PERCENTAGE OF DATA INVALID - 7.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. -- INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT					UNITS - 0.01 PARTS/MILLION				
STATION - NE NO 77016 ASH ST WATER TANK, SUDBURY									
MONTH	NO OF DAYS		AVERAGE CONCENT		24-HOUR MAXIMUM		MAXIMUM READING		
JAN	31		1.6		3		5		
FEB	26		2.0		5		9		
MAR	18		1.5		3		5		
APR	21		1.0		2		4		
MAY	26		0.9		2		5		
JUN	29		1.0		2		4		
JUL	31		0.8		1		3		
AUG	31		0.9		1		4		
SEP	30		1.2		2		4		
OCT	31		1.2		3		5		
NOV	29		1.2		2		5		
DEC	28		1.6		3		8		
YEAR	331		1.2		5		9		

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77016 ASH ST WATER TANK, SUDBURY

MONTH	00 TO 01	02 TO 03	04 TO 05	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	436	254	48	0	0	0	0	738
FEB	295	235	84	3	0	0	0	617
MAR	279	130	28	0	0	0	0	437
APR	435	108	6	0	0	0	0	549
MAY	542	106	3	0	0	0	0	651
JUN	608	86	1	0	0	0	0	695
JUL	666	64	0	0	0	0	0	730
AUG	681	49	1	0	0	0	0	731
SEP	564	145	1	0	0	0	0	710
OCT	510	209	15	0	0	0	0	734
NOV	465	221	4	0	0	0	0	690
DEC	374	296	12	5	0	0	0	687
YEAR	5855	1903	203	8	0	0	0	7969

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
91.0	0	0.0	0.3	0.6	0.9	1.9	2.6	3.3	3.8	9	1.2

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR

MONTH - JAN 78

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
DAY																									
1	4	5	5	4	4	4	3	2	2	2	2	3	4	5	5	5	5	5	5	5	5	5	5	5	4
2	5	5	7	8	6	7	9	5	6	5	6	7	5	4	6	7	6	5	6	5	5	5	6	6	6
3	7	7	8	9	9	10	9	10	11	11	10	9	6	6	6	7	8	10	14	11	11	8	9	9	9
4	8	8	8	7	7	6	6	8	-	10	9	6	10	10	11	10	13	11	9	12	11	10	13	15	9
5	14	12	10	8	9	11	11	12	14	13	13	12	17	19	18	16	13	12	11	13	11	8	10	14	13
6	15	15	13	9	9	7	6	7	9	12	10	-	-	11	12	12	9	9	8	7	8	7	6	6	9
7	6	5	6	5	5	5	5	5	6	6	6	7	11	13	12	12	13	14	15	11	10	10	10	9	9
8	10	10	10	11	12	12	22	20	15	12	12	10	12	12	14	11	6	6	5	3	3	3	2	2	10
9	2	1	1	2	2	2	2	3	5	5	3	3	4	4	4	4	4	4	4	4	2	2	3	3	3
10	2	2	2	2	2	2	3	3	4	4	-	3	5	5	5	5	6	7	8	6	6	5	5	6	4
11	8	8	6	8	11	12	12	15	15	13	10	9	9	9	8	9	10	10	10	11	11	14	15	15	11
12	14	14	14	13	14	15	16	18	26	22	18	18	30	29	24	14	12	11	8	9	10	10	8	8	16
13	9	6	5	5	5	5	6	7	8	8	9	-	10	11	12	12	11	10	9	8	6	5	5	8	8
14	5	4	2	2	2	2	2	2	2	3	4	4	3	4	5	6	6	6	5	5	5	5	6	6	4
15	7	7	6	5	5	5	5	5	6	7	6	5	5	5	5	5	5	5	8	10	9	8	6	5	6
16	5	6	9	9	10	12	9	8	9	8	8	8	7	7	8	9	12	13	13	15	21	27	26	21	12
17	18	18	14	10	10	8	7	8	9	7	7	7	7	7	7	7	7	7	6	5	5	5	5	5	8
18	3	3	2	2	2	3	6	10	11	10	6	5	5	7	7	7	7	7	8	8	7	7	8	7	9
19	10	11	10	8	7	5	5	8	13	12	13	11	11	8	6	6	7	8	8	5	5	5	5	5	8
20	5	3	3	2	2	3	4	5	5	5	5	5	5	6	6	5	6	5	6	7	5	6	5	7	5
21	8	8	7	7	6	5	5	6	7	7	6	7	10	10	9	7	8	9	8	9	12	13	11	12	8
22	11	12	12	11	10	10	9	8	7	8	9	8	7	8	7	6	6	10	12	13	14	13	13	10	10
23	14	12	10	7	9	9	10	13	12	12	12	11	8	8	8	11	13	12	11	13	12	10	11	11	11
24	10	12	12	11	10	7	7	10	12	11	10	11	11	10	10	9	9	10	9	7	8	10	13	14	10
25	13	11	9	6	5	6	8	7	9	8	8	9	8	8	8	12	15	15	10	9	9	9	8	9	9
26	5	5	4	5	4	5	8	8	9	8	9	8	9	7	8	6	4	4	4	3	2	2	2	2	5
27	3	3	2	2	2	2	2	2	2	4	4	4	4	4	4	4	4	4	4	5	4	4	2	4	4
28	7	5	5	5	5	5	5	5	5	5	6	5	4	4	4	4	4	4	4	4	4	4	4	4	4
29	4	4	4	4	3	3	3	3	2	3	3	3	3	3	4	4	4	4	4	5	8	9	11	9	5
30	7	3	2	3	2	2	4	7	7	6	6	6	8	9	12	12	10	9	12	10	11	14	13	10	8
31	13	11	12	12	11	12	12	16	17	18	13	10	6	6	7	7	10	9	11	10	13	12	12	12	11
MEAN	8	8	7	7	6	7	7	8	9	9	8	7	8	9	8	8	8	8	8	8	8	9	9	9	7.9

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12008

467 UNIVERSITY AV WEST F2 WINDSOR

MONTH - FEB 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	14	14	12	13	9	8	11	10	13	18	20	18	15	10	11	10	10	9	8	9	9	6	8	13	12
2	11	9	12	11	10	11	14	28	23	23	28	23	14	9	8	9	9	13	14	13	16	15	14	14	
3	11	11	9	7	5	6	7	13	17	-	17	12	8	6	8	8	8	9	10	7	9	11	10	11	
4	13	7	6	6	5	5	5	6	6	7	6	6	5	5	5	6	6	6	9	9	9	9	6	7	
5	6	6	5	5	5	5	5	5	5	5	6	7	11	9	8	8	7	8	7	6	6	6	6	6	
6	5	4	3	3	4	5	6	9	11	12	7	7	7	6	6	6	6	6	6	5	5	5	5	6	
7	5	4	4	3	3	4	5	7	12	10	9	7	7	7	7	7	7	8	8	6	5	6	9	10	
8	9	8	10	11	18	15	18	26	21	16	13	12	10	11	11	13	14	10	7	9	9	7	7	12	
9	6	5	5	5	6	9	10	14	15	14	14	12	8	8	9	8	11	11	12	15	12	15	18	21	
10	17	16	14	10	11	10	14	21	28	-	22	15	-	8	8	7	8	10	11	13	13	15	14	14	
11	13	12	12	13	13	12	11	17	19	16	17	12	10	8	6	6	6	6	8	10	12	13	7	6	
12	6	5	5	6	6	6	6	6	7	6	5	5	5	5	5	5	5	5	5	5	6	6	5	9	
13	8	8	9	8	10	18	12	11	-	-	-	-	-	6	6	6	7	7	5	3	-	-	-	8	
14	-	-	-	-	-	-	-	-	-	-	8	6	5	5	7	7	6	5	4	5	7	8	14	16	
15	15	13	11	9	7	7	6	8	11	12	11	11	11	10	8	7	6	6	5	5	5	5	6	6	
16	5	5	6	6	6	6	6	6	6	7	7	5	6	5	4	-	6	9	10	7	9	9	8	7	
17	8	7	8	11	11	11	15	17	18	-	11	10	10	9	9	8	9	10	11	11	10	13	11	11	
18	16	12	15	14	12	12	14	16	18	17	16	12	10	9	9	9	9	9	7	8	10	9	8	11	
19	19	18	11	7	6	7	8	9	9	8	8	8	9	6	6	6	5	5	6	7	7	8	10	15	
20	10	13	13	14	13	13	15	14	-	18	11	5	4	4	5	6	5	6	5	5	6	7	7	8	
21	13	17	21	16	17	15	16	22	27	23	16	11	9	8	7	7	9	8	8	8	6	5	4	6	
22	5	6	6	5	5	7	10	15	18	13	8	7	7	7	7	7	7	7	7	9	10	16	15		
23	12	12	14	12	9	9	11	12	10	12	13	14	17	12	11	9	11	11	13	16	16	13	11		
24	13	8	8	8	9	12	11	12	13	-	14	10	7	9	8	6	8	7	6	5	5	5	5	8	
25	9	7	6	6	5	6	8	8	8	5	5	5	5	5	5	6	6	6	8	9	11	10	9		
26	9	16	14	9	8	7	6	5	4	4	4	3	4	4	4	4	4	4	4	5	7	7	6		
27	5	5	5	5	6	8	10	12	-	11	6	6	7	5	5	6	6	6	6	6	6	7	7	7	
28	7	8	7	7	7	6	6	7	9	6	5	5	10	-	10	10	-	11	10	10	12	13	12	7	
MEAN	10	9	9	9	8	9	10	12	14	12	12	10	9	7	7	7	7	8	8	8	9	9	9	10	

PERCENTAGE OF DATA VALID - 95.7

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 4.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12008

467 UNIVERSITY AV WEST F2 WINDSOR

MONTH - MAR 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	5	5	4	4	5	5	8	10	9	8	9	9	8	7	7	7	7	8	8	6	9	14	18	8
2	23	21	20	16	15	12	22	46	42	33	14	7	4	5	7	6	10	7	7	7	7	7	7	7	15
3	6	5	4	5	5	5	6	6	8	12	11	10	-	6	6	7	8	8	8	10	11	12	9	8	8
4	6	6	4	4	3	3	4	4	4	4	4	4	4	5	4	5	5	5	6	6	5	4	3	3	7
5	4	4	5	5	5	5	6	8	9	8	7	8	6	6	6	5	7	8	8	7	8	8	9	12	7
6	10	10	10	9	10	10	12	11	13	10	8	6	6	8	12	14	13	9	8	10	13	21	11	11	11
7	13	24	30	22	19	13	18	23	-	16	10	7	5	6	6	6	6	6	6	7	7	7	7	7	12
8	7	6	6	6	5	5	6	8	11	9	7	6	7	7	10	11	9	10	10	10	9	9	10	11	8
9	10	13	13	12	17	20	23	32	22	9	15	19	14	16	13	12	10	11	14	19	20	10	12	17	16
10	17	21	25	18	13	18	21	32	25	-	14	10	8	8	9	10	11	8	11	16	17	12	11	13	15
11	12	12	11	12	9	12	11	9	9	9	7	8	9	10	9	9	10	9	11	10	-	-	-	11	10
12	14	19	21	18	13	10	7	6	7	6	6	8	8	8	8	8	8	8	9	12	13	21	14	20	11
13	14	15	11	8	10	10	9	12	15	9	7	8	5	5	5	5	8	9	8	7	7	7	7	7	9
14	8	8	4	4	4	3	5	7	9	8	10	24	11	6	11	10	14	9	10	13	11	9	9	8	10
15	10	8	8	7	6	11	11	14	23	26	8	9	8	8	7	7	9	9	11	9	9	8	8	8	9
16	10	9	7	7	6	7	8	10	14	13	9	7	6	6	7	9	10	9	8	9	9	7	8	7	9
17	7	7	7	7	8	8	9	11	11	-	8	8	11	9	8	9	8	7	7	7	7	7	7	7	9
18	8	8	7	8	8	11	12	15	12	11	8	6	4	4	4	5	4	4	3	4	4	3	4	5	4
19	9	8	7	6	4	4	5	5	4	4	4	5	5	5	5	4	4	5	6	8	11	13	16	18	7
20	20	11	13	8	4	4	4	4	4	4	5	6	6	6	6	6	5	8	9	6	6	7	6	5	4
21	5	7	7	5	6	7	8	10	12	12	12	11	8	7	5	7	7	7	7	7	7	6	7	7	8
22	6	9	10	10	7	6	7	8	10	12	10	8	8	7	9	11	11	19	22	24	22	23	21	16	12
23	9	8	7	7	7	7	13	17	20	19	14	9	6	7	8	8	8	7	7	7	8	8	5	3	9
24	3	4	2	2	3	2	3	3	3	4	4	4	3	3	3	3	4	4	5	5	5	3	3	3	3
25	2	2	3	3	2	2	2	2	2	2	3	3	3	3	4	4	4	4	3	3	3	2	3	2	3
26	3	3	3	3	3	3	3	3	3	4	5	4	5	6	5	6	6	7	7	7	8	13	13	10	7
27	6	4	4	4	4	5	5	7	10	9	8	7	8	7	8	9	8	7	7	7	7	6	7	9	7
28	9	5	7	7	5	5	5	6	6	9	11	10	7	8	5	6	5	6	7	7	7	9	12	15	8
29	11	10	8	6	5	9	8	11	7	6	5	5	5	5	6	5	6	7	7	7	7	9	12	15	8
30	14	15	14	11	10	12	18	24	28	15	12	6	7	5	7	7	7	6	6	8	10	8	9	6	11
31	5	5	5	5	5	5	8	8	10	8	-	4	3	4	5	6	7	7	7	7	10	12	10	9	7
MEAN	9	9	9	8	7	8	9	12	12	10	9	8	7	7	7	7	8	8	8	9	9	9	9	9	8

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 1.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT		UNITS - 0.01 PARTS/MILLION																							
STATION - SW NO 12008		467 UNIVERSITY AV WEST F2 WINDSOR												MONTH - APR 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	7	8	8	7	6	6	7	7	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	3	5
2	2	2	2	2	1	1	1	1	1	2	4	4	4	4	3	3	3	3	4	4	4	4	4	4	2
3	2	2	2	2	2	2	2	3	4	4	4	4	4	5	7	7	9	9	10	10	10	10	10	10	4
4	-	-	-	-	-	-	-	-	-	-	-	8	10	11	10	8	11	12	11	10	7	6	5	4	3
5	4	3	3	2	3	8	12	11	9	8	7	6	5	5	6	6	6	6	5	5	5	4	4	5	6
6	6	7	3	2	1	1	3	4	4	4	5	5	5	5	7	8	10	9	11	11	16	26	14	7	7
7	6	3	2	3	5	7	8	9	9	-	6	5	5	5	4	4	4	4	6	5	6	7	8	7	6
8	4	3	2	2	1	1	1	2	2	2	3	3	4	4	4	3	2	3	4	5	4	4	3	3	3
9	4	5	3	3	2	1	1	1	1	2	2	3	3	3	3	3	2	2	3	3	4	3	4	3	3
10	2	2	2	2	2	3	3	5	6	7	6	5	5	5	5	6	7	7	9	18	12	10	5	5	6
11	4	3	3	5	4	4	5	5	6	5	4	4	5	5	5	5	6	5	6	5	7	7	9	7	5
12	6	4	4	4	6	5	6	4	4	5	4	3	2	2	3	4	4	4	5	6	6	6	7	5	5
13	6	5	3	3	2	2	3	2	3	3	4	4	4	4	4	4	4	4	4	6	6	8	9	4	4
14	11	10	10	-	-	-	-	-	-	-	3	3	3	3	3	4	4	4	4	6	6	5	5	5	5
15	11	11	13	7	3	6	9	7	4	4	3	3	3	3	3	3	3	3	3	4	5	6	5	5	5
16	4	5	8	11	7	18	19	22	16	6	8	6	6	5	5	5	5	3	4	4	5	9	8	8	8
17	7	11	6	5	6	7	8	10	10	7	6	5	4	5	5	5	4	4	5	8	3	3	3	6	6
18	2	2	2	1	1	2	2	3	3	4	4	4	4	5	5	5	5	5	4	5	4	5	7	4	4
19	5	5	4	4	4	4	6	8	9	10	7	5	5	5	6	7	7	8	10	14	11	6	8	7	7
20	7	5	5	5	4	4	5	5	-	7	7	7	7	7	7	7	7	7	7	6	5	6	5	6	6
21	4	4	3	3	3	4	5	6	7	7	6	6	6	6	5	5	5	6	5	5	6	6	8	5	5
22	8	11	11	14	7	6	8	8	6	7	7	7	7	7	7	7	6	6	5	6	6	6	6	7	7
23	8	10	11	8	7	6	6	10	7	7	6	6	4	4	4	5	6	4	4	4	6	11	6	6	6
24	5	5	6	6	6	4	4	4	8	15	17	17	11	8	8	7	6	7	7	7	10	8	7	8	8
25	6	7	7	5	5	5	8	10	5	5	5	4	4	4	4	4	4	4	4	5	5	6	6	5	5
26	6	6	6	5	5	5	5	6	5	-	4	8	4	5	5	4	5	5	5	4	5	5	5	5	5
27	5	4	3	3	3	4	7	10	9	6	4	4	4	4	4	5	5	5	6	13	7	10	10	6	6
28	8	8	12	21	18	12	12	14	11	8	6	5	4	5	-	5	5	6	6	8	7	9	14	10	9
29	12	16	16	20	18	19	15	16	17	9	6	5	5	5	5	6	6	5	4	4	4	4	3	9	9
30	2	3	4	4	3	3	4	4	3	3	3	3	2	2	2	3	3	3	3	4	5	4	4	4	3
MEAN	6	6	6	6	5	5	6	7	6	6	5	5	5	5	5	5	5	5	5	6	6	6	7	6	5.6

PERCENTAGE OF DATA VALID - 96.4 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 3.6

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT		UNITS - 0.01 PARTS/MILLION																							
STATION - SW NO 12008		467 UNIVERSITY AV WEST F2 WINDSOR												MONTH - MAY 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	4	8	8	5	5	5	4	4	5	5	5	5	5	4	4	5	5	7	12	5
2	12	15	7	5	4	5	9	10	7	7	5	5	5	5	5	5	5	5	5	8	10	8	7	9	7
3	9	14	22	25	26	30	36	-	17	11	14	9	7	6	6	5	4	5	5	4	5	6	6	7	12
4	3	3	2	3	3	3	3	4	5	4	4	4	4	4	4	5	5	5	6	6	4	4	4	4	4
5	3	3	3	3	3	4	5	5	5	-	7	5	8	7	9	8	8	9	11	13	15	10	9	8	7
6	8	8	6	5	4	4	5	5	5	6	5	5	6	4	5	6	6	6	5	8	6	9	10	8	6
7	11	11	10	13	12	12	13	12	7	4	4	4	4	4	4	3	3	4	2	2	3	3	3	3	6
8	4	3	3	3	3	4	6	6	5	4	4	4	4	4	6	7	6	6	7	8	8	8	8	5	5
9	8	7	7	7	6	6	8	8	5	4	5	7	6	5	5	5	5	4	4	4	5	4	4	4	6
10	4	4	4	4	4	6	7	7	6	5	5	5	5	5	5	5	5	5	6	5	6	7	8	6	5
11	9	10	8	8	9	6	5	5	5	5	6	6	6	5	5	6	6	7	7	8	7	6	5	4	6
12	4	5	5	4	4	4	5	5	4	5	-	4	4	4	4	4	4	4	4	4	4	4	4	3	4
13	4	3	3	3	3	4	4	3	3	4	4	2	3	2	3	3	3	3	4	4	4	4	4	4	3
14	5	5	4	3	2	2	2	2	2	3	3	4	4	4	4	4	5	5	5	6	7	6	6	4	4
15	2	2	2	2	3	3	4	5	8	8	6	6	8	8	8	8	9	9	7	5	4	4	5	4	5
16	6	5	5	3	-	-	5	7	5	-	5	6	5	6	-	-	6	5	5	5	4	5	5	5	5
17	6	6	5	6	6	7	13	16	10	6	5	5	4	5	5	6	6	5	5	8	7	8	7	7	7
18	8	10	9	9	11	11	17	15	15	11	8	10	11	9	9	8	7	7	7	5	6	5	7	13	10
19	19	16	12	9	10	13	15	14	9	7	6	6	6	6	6	6	6	5	5	8	9	11	12	14	10
20	16	20	14	9	6	7	6	7	6	5	4	6	5	5	5	7	6	8	7	7	7	7	8	4	8
21	4	3	2	2	1	2	1	2	2	2	2	3	3	3	3	3	3	3	4	4	4	3	4	5	3
22	4	5	6	8	10	15	10	5	6	4	2	2	4	4	3	2	3	3	4	5	4	4	6	7	5
23	5	5	6	9	12	12	7	-	9	9	7	9	7	4	4	4	5	5	5	5	4	4	4	7	7
24	7	7	5	5	7	8	14	17	12	8	7	6	5	5	5	5	6	6	6	6	7	10	7	7	7
25	9	13	15	14	17	24	49	64	43	20	7	6	5	6	7	7	5	5	6	6	6	7	8	7	15
26	9	12	10	8	8	13	36	34	18	10	8	7	5	4	4	4	4	4	5	5	6	7	11	8	10
27	9	10	13	14	13	9	10	11	12	14	12	8	5	4	5	5	4	4	4	5	7	-	8	10	9
28	14	14	13	10	11	13	9	7	5	5	5	3	3	3	3	3	3	3	4	4	5	5	5	7	7
29	4	4	6	5	6	7	10	7	7	7	4	4	4	4	3	3	3	3	3	4	4	4	4	3	5
30	4	5	4	4	5	6	7	9	-	7	7	6	4	5	5	5	9	8	7	6	5	5	4	5	6
31	5	8	7	8	7	9	10	12	-	-	-	-	-	6	7	7	6	5	6	6	7	10	12	9	8
MEAN	7	8	7	7	7	8	11	11	9	7	6	5	5	5	5	5	5	5	5	6	6	6	7	7	6.6

PERCENTAGE OF DATA VALID - 97.8 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 2.2

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR															MONTH - JUN 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	7	8	7	4	4	5	6	5	5	5	5	5	5	7	6	6	5	4	4	6	8	9	10	8	6
2	7	8	8	6	7	8	9	10	10	9	6	6	5	-	7	8	7	7	6	6	7	9	12	8	8
3	5	3	2	2	2	3	4	5	6	4	4	3	3	3	3	3	3	3	3	4	4	7	7	8	4
4	14	17	22	19	17	18	16	12	7	5	4	4	3	3	2	2	3	3	3	3	4	5	5	4	8
5	2	4	2	2	3	4	5	6	6	5	4	4	4	4	4	5	5	4	4	4	3	3	3	3	4
6	4	3	2	2	3	5	4	3	3	6	8	7	6	3	3	3	2	2	2	3	4	3	3	2	4
7	2	4	3	5	6	4	6	6	7	7	7	5	4	3	3	3	4	4	4	3	3	3	3	4	4
8	6	5	4	5	6	5	7	8	9	7	8	7	7	6	7	9	8	8	6	6	6	7	8	7	7
9	10	12	13	12	12	17	16	17	13	12	8	5	-	4	4	5	5	5	5	8	7	7	8	7	9
10	7	9	12	9	11	13	14	8	5	6	5	5	4	4	4	4	4	3	3	4	6	6	5	4	6
11	4	3	3	4	4	5	5	5	5	4	4	3	4	4	4	4	4	3	3	4	5	5	5	5	4
12	4	4	5	4	4	5	5	6	6	5	5	5	5	5	7	10	7	6	5	4	5	4	4	3	5
13	3	3	3	2	3	3	5	7	6	6	6	5	4	4	5	5	6	5	5	5	5	4	4	6	5
14	7	7	10	18	14	12	10	9	7	5	3	3	3	3	4	4	4	4	4	4	4	5	5	6	6
15	4	3	6	5	5	7	8	10	10	6	5	4	4	4	4	4	6	5	4	5	6	5	5	4	5
16	4	3	4	4	4	4	5	6	6	5	5	6	5	5	3	3	4	3	4	5	5	4	3	2	4
17	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	4	4	4	10	13	16	7	5
18	2	3	3	3	3	3	4	4	3	3	3	3	3	3	3	3	3	4	4	4	-	5	5	5	5
19	4	4	3	3	4	7	8	8	6	-	5	5	4	4	4	3	5	-	-	-	-	5	5	5	5
20	5	4	5	5	5	6	8	9	-	-	2	2	2	3	2	3	2	2	2	2	3	3	3	2	4
21	3	4	6	6	5	6	6	7	8	7	6	6	5	5	5	-	4	3	3	-	4	6	6	6	5
22	6	6	7	7	8	9	13	15	11	6	5	4	3	3	3	4	4	3	3	3	5	10	12	10	7
23	7	7	6	5	5	6	7	5	5	7	7	7	7	7	6	6	5	5	6	7	8	6	6	7	6
24	7	8	8	8	8	7	7	8	8	6	7	7	5	4	5	5	5	4	3	3	3	3	3	3	6
25	3	3	3	3	3	3	3	3	4	3	4	4	2	2	2	3	4	5	6	5	4	3	3	2	3
26	3	3	3	2	4	5	5	3	3	2	4	7	5	8	7	8	6	6	5	4	5	9	15	11	6
27	7	5	4	3	4	4	6	8	8	6	4	4	-	6	4	4	4	4	3	3	4	4	5	6	5
28	5	5	6	7	8	9	13	14	-	9	7	6	5	4	6	5	5	4	4	6	9	10	8	7	7
29	5	4	5	6	7	12	13	13	10	8	5	4	4	4	4	4	4	4	5	6	6	9	10	9	7
30	11	10	6	6	6	8	9	9	7	-	-	9	6	11	15	10	14	9	11	8	7	7	7	9	9
MEAN	5	6	6	6	6	7	8	8	7	6	5	5	4	5	5	5	5	4	4	5	5	6	7	6	5.6

PERCENTAGE OF DATA VALID - 97.9 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 2.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR															MONTH - JUL 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	8	6	6	4	3	4	4	5	5	5	4	5	6	8	6	5	5	6	6	6	7	6	6	5	5
2	5	4	4	3	4	5	5	3	3	5	10	6	4	5	5	5	4	5	4	6	4	4	4	4	5
3	5	3	7	5	4	4	5	5	7	7	-	9	10	10	10	10	7	7	8	8	8	9	7	7	5
4	5	-	4	4	3	3	4	4	-	5	6	5	6	6	6	6	5	6	6	6	6	6	6	6	5
5	7	8	9	13	10	9	10	10	6	5	6	4	3	2	3	3	4	4	3	4	5	7	4	6	6
6	11	15	10	9	8	8	7	5	4	4	4	3	3	3	6	-	3	3	3	3	5	5	5	5	6
7	6	5	4	5	5	6	7	7	6	6	5	5	5	4	4	4	4	3	4	5	5	4	5	4	5
8	5	5	5	5	6	6	5	4	4	4	3	3	3	3	4	3	4	4	4	4	5	5	5	6	4
9	7	12	13	15	14	11	8	8	7	4	4	4	5	4	4	4	3	3	3	4	4	5	5	6	7
10	5	3	3	3	3	4	5	5	5	5	4	4	4	4	4	4	4	3	3	4	5	5	3	4	4
11	3	4	9	8	7	8	7	5	3	3	3	3	3	-	-	3	3	3	3	3	4	5	7	9	5
12	7	7	9	7	6	10	11	-	3	1	2	3	2	2	2	2	7	7	7	4	3	5	4	4	5
13	5	3	3	3	3	4	6	5	5	-	-	5	5	5	5	5	6	6	6	8	7	7	10	8	6
14	8	8	8	6	4	4	7	7	7	6	6	5	5	5	4	4	4	3	3	4	3	6	5	5	5
15	5	6	5	7	7	6	6	9	8	5	4	4	3	2	3	3	3	3	3	3	4	4	6	5	3
16	4	2	2	3	3	3	3	3	3	3	2	2	3	3	3	3	3	3	3	2	3	5	6	5	4
17	3	2	2	3	4	8	12	12	7	5	3	3	3	3	3	3	3	2	2	4	3	3	3	4	4
18	3	4	4	4	6	8	9	8	5	4	6	5	6	4	3	3	3	2	2	4	5	4	3	3	5
19	5	5	5	5	5	7	8	7	7	6	5	5	4	4	6	3	2	2	2	4	5	4	3	3	4
20	3	4	6	6	6	7	7	9	8	9	7	5	-	4	4	4	3	3	3	4	3	4	4	4	5
21	3	5	3	3	3	5	7	7	6	4	4	6	7	5	6	6	9	9	10	9	7	7	8	6	6
22	7	6	6	5	6	6	7	8	8	7	6	4	4	4	4	5	4	5	6	5	5	6	6	6	6
23	6	6	5	4	3	5	5	5	5	4	5	4	5	5	5	5	4	4	4	4	5	5	5	6	5
24	6	6	7	6	7	5	6	5	4	4	4	-	-	-	-	4	3	2	2	3	2	2	3	4	4
25	3	2	2	2	2	4	7	6	5	5	6	3	4	3	3	3	3	3	3	4	4	4	4	6	4
26	5	5	5	5	5	5	5	7	6	6	-	-	-	-	4	3	3	3	3	4	7	7	8	6	5
27	5	5	4	4	5	5	6	6	7	5	8	6	4	3	3	3	3	3	3	3	3	3	3	3	4
28	2	2	2	3	3	5	8	7	-	4	4	4	4	5	-	-	-	-	-	-	-	-	-	-	*****
29																									
30																									
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	3	3	3	3	4	3	3	5	*****
MEAN	5	5	5	5	5	6	7	6	6	5	5	4	4	4	4	4	4	4	4	4	5	5	5	5	5.0

PERCENTAGE OF DATA VALID - 87.5 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 12.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR															MONTH - AUG 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	7	6	6	5	6	8	10	12	8	12	8	6	4	3	3	4	3	3	3	3	4	9	9	7	6
2	5	4	5	4	4	7	9	7	2	2	3	2	3	3	4	3	4	4	3	3	5	4	8	6	4
3	5	5	5	4	4	5	4	5	-	5	5	5	-	4	3	3	4	3	-	-	-	3	3	3	4
4	4	4	4	4	6	8	13	20	20	9	6	4	3	3	3	3	3	2	2	3	5	7	5	5	6
5	9	11	9	12	16	11	10	8	4	2	2	1	2	2	2	1	2	2	2	2	3	5	5	5	5
6	10	15	15	13	15	8	8	4	3	3	4	3	3	3	3	3	4	3	4	5	4	3	6	6	6
7	7	7	8	10	12	14	16	14	7	4	4	6	8	6	6	5	4	5	3	3	3	3	5	6	7
8	9	9	7	5	4	5	7	9	10	7	3	4	4	4	3	3	3	3	5	5	3	4	3	2	5
9	5	6	6	5	6	5	8	8	9	5	4	6	3	3	3	3	5	4	3	4	6	4	5	5	5
10	5	4	4	2	3	4	7	10	6	4	3	3	4	4	4	5	4	4	4	4	4	5	7	5	5
11	3	3	3	4	4	7	10	10	5	4	4	3	3	2	2	3	2	2	1	2	3	3	3	4	4
12	3	4	5	5	6	7	8	5	3	2	1	2	2	1	1	1	1	1	2	2	4	5	9	10	4
13	8	11	9	14	17	21	25	23	16	12	5	4	4	3	2	1	2	1	1	3	4	5	5	5	8
14	6	5	4	9	15	17	27	29	26	5	2	1	2	2	2	3	4	2	2	2	2	2	2	2	7
15	2	2	2	2	2	3	4	4	4	5	4	3	3	3	2	3	2	1	1	2	2	1	1	1	2
16	2	2	2	1	2	2	5	-	-	3	2	2	3	3	2	2	2	2	3	3	3	2	4	3	3
17	4	3	3	3	4	5	8	10	7	4	3	2	3	3	3	3	3	2	3	5	4	5	6	6	4
18	6	7	5	5	5	7	7	5	5	6	4	5	4	4	4	3	4	3	2	2	3	3	4	4	4
19	3	3	2	3	3	3	5	5	3	3	3	3	3	3	2	2	3	2	3	3	3	3	3	4	3
20	3	3	5	3	4	3	3	3	2	2	2	2	-	2	2	2	3	2	2	2	4	3	5	5	3
21	4	4	6	7	7	13	18	12	7	5	3	2	2	2	3	3	2	2	2	3	6	6	6	4	5
22	4	2	4	4	6	8	13	14	13	10	6	4	4	3	3	4	3	4	3	5	6	6	5	5	6
23	5	4	6	7	8	9	9	7	-	6	6	3	2	3	4	4	3	3	3	4	4	5	5	5	5
24	6	6	6	6	5	4	7	7	7	6	6	8	5	4	4	4	5	4	4	4	5	8	7	4	5
25	2	2	2	2	1	1	3	3	4	4	4	4	4	5	5	5	5	5	4	4	5	3	3	3	3
26	3	3	3	3	3	2	2	3	3	3	-	-	-	-	4	4	4	3	3	4	4	4	4	3	3
27	4	4	3	2	2	2	2	2	2	2	2	2	2	-	2	2	2	2	2	3	2	3	2	2	2
28	2	3	3	3	2	2	5	7	7	5	7	4	3	3	2	3	3	4	3	3	3	3	3	3	4
29	4	4	6	5	6	6	9	9	6	4	4	3	4	3	3	3	3	4	4	5	7	10	11	9	6
30	10	7	7	7	8	13	21	30	23	-	9	6	4	5	5	-	4	4	4	6	8	9	12	15	10
31	21	24	10	4	3	5	8	11	9	5	5	4	4	4	4	4	3	3	3	4	5	4	4	5	7
MEAN	6	6	5	5	6	7	10	10	7	5	4	4	3	3	3	3	3	3	3	3	4	5	5	5	4.9

PERCENTAGE OF DATA VALID - 97.8

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 2.2

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION										
		STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR														MONTH - SEP 78										
HOUR DAY		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		7	6	5	8	7	15	32	25	13	10	7	7	6	6	6	4	3	2	3	6	5	6	6	6	8
2		7	7	5	5	8	11	12	9	7	7	7	5	4	4	3	2	3	3	3	3	3	4	5	5	6
3		5	5	4	4	4	2	3	3	2	2	2	2	3	2	2	3	2	2	2	2	2	2	2	1	3
4		1	1	2	2	2	2	2	3	2	2	2	2	3	3	3	6	5	4	4	4	5	6	7	8	3
5		8	11	7	7	6	8	13	17	14	12	10	8	7	5	5	4	4	4	4	5	6	5	10	16	9
6		19	16	14	13	14	14	18	18	13	10	7	4	4	4	4	5	6	6	4	5	7	9	7	6	5
7		5	6	6	4	4	5	7	10	7	6	6	5	5	4	5	6	6	6	6	6	5	5	6	8	6
8		6	6	6	6	4	7	5	10	-	7	6	6	6	5	4	4	4	2	1	1	2	3	2	1	4
9		1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1
10		1	1	1	1	1	1	1	2	5	5	3	4	3	2	1	2	2	1	1	2	2	2	1	2	2
11		2	1	1	1	2	3	5	6	3	2	2	2	2	1	1	1	4	3	-	6	6	6	5	8	3
12		4	4	3	2	2	3	4	6	6	5	5	6	3	4	4	4	6	4	3	3	2	2	2	2	4
13		1	1	1	2	1	2	1	2	-	4	4	4	3	3	4	4	4	4	4	4	4	2	2	3	3
14		4	5	5	5	4	3	4	5	4	4	3	2	2	2	2	3	5	6	6	5	4	5	4	3	4
15		4	4	6	4	4	4	7	11	9	6	5	3	3	2	4	6	6	5	6	4	4	5	7	9	5
16		6	6	7	5	5	5	6	6	4	4	4	4	4	5	4	5	4	4	3	6	4	3	2	2	5
17		2	2	2	2	2	2	4	4	6	7	5	5	3	2	3	2	3	2	3	2	3	4	4	3	3
18		3	3	2	2	2	2	2	3	4	5	4	4	4	3	4	4	4	5	5	4	5	5	4	3	4
19		4	3	2	1	2	2	3	5	6	4	4	6	6	6	6	6	7	7	8	9	3	2	2	1	4
20		2	1	1	1	2	3	4	5	-	8	10	8	3	3	3	3	3	3	5	4	5	5	6	7	6
21		5	5	4	5	5	6	6	8	7	7	7	4	5	6	6	5	5	6	5	5	3	2	2	1	5
22		1	2	1	1	2	3	6	10	-	5	4	3	3	2	3	3	3	1	1	4	7	6	5	5	4
23		8	8	7	6	6	6	9	12	9	2	1	1	2	2	2	2	2	2	2	3	4	4	4	7	5
24		10	12	21	20	16	19	21	12	10	9	-	-	-	2	2	2	2	2	2	3	5	4	4	3	2
25		2	1	1	1	1	3	4	7	7	5	2	1	2	2	2	3	3	2	2	1	2	2	2	2	3
26		4	3	1	2	2	5	8	13	11	8	6	6	4	4	3	3	3	3	4	6	6	7	6	3	5
27		5	6	7	6	5	6	7	8	9	7	7	6	3	2	3	3	4	4	2	1	1	1	1	2	4
28		2	3	3	2	3	5	10	13	13	6	4	4	3	3	3	3	2	2	3	6	10	10	10	5	5
29		5	3	3	3	2	4	7	-	9	3	2	2	2	2	2	4	3	3	4	7	7	8	7	6	4
30		14	11	12	6	4	5	7	5	3	3	3	3	3	2	2	2	4	3	3	4	5	5	5	6	5
MEAN		5	5	5	4	4	5	7	8	7	6	5	4	4	3	3	4	4	3	4	4	4	4	5	5	4

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 1.3

NOTES 1. \*\*\*\*\* INDIC

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR														MONTH - OCT 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6	6	4	3	3	3	4	3	3	3	2	2	2	2	2	2	2	2	2	4	4	4	5	5	3
2	7	8	8	13	17	14	24	53	22	4	6	7	4	3	2	2	2	2	3	3	3	4	4	4	9
3	4	3	3	6	-	-	-	-	-	-	-	-	-	-	-	-	6	5	5	5	6	4	7	7	*****
4	6	6	6	5	5	6	7	9	9	7	7	3	3	4	4	3	3	3	5	5	7	7	11	10	6
5	8	7	4	5	3	3	4	-	4	3	2	2	2	2	2	4	4	4	5	7	5	3	3	3	4
6	1	2	1	2	2	2	5	-	4	5	4	3	3	4	4	5	4	3	3	2	2	2	2	2	3
7	2	2	3	3	2	1	3	4	3	4	2	2	3	3	3	2	2	3	3	3	3	3	3	2	3
8	3	2	3	2	2	1	1	2	3	2	2	1	1	2	2	2	1	3	3	9	13	23	27	29	6
9	27	26	23	22	22	29	29	16	7	5	5	4	4	4	1	2	2	2	2	4	3	6	6	5	11
10	5	4	5	4	3	4	6	11	7	7	10	-	6	4	3	2	2	3	3	3	3	6	8	5	5
11	6	6	8	9	10	11	12	11	7	-	-	-	4	4	4	4	3	3	3	2	2	-	-	-	6
12	-	-	-	-	9	9	8	10	9	6	5	5	6	6	6	7	7	6	7	10	9	9	13	12	8
13	10	8	5	8	9	8	13	22	19	17	11	9	7	5	-	5	5	5	5	5	4	4	4	3	8
14	3	3	3	3	2	5	7	10	7	6	4	4	4	4	5	5	5	4	4	5	5	5	9	9	5
15	10	10	4	4	4	4	5	5	4	3	3	5	11	6	8	6	6	6	6	8	6	6	7	6	5
16	3	3	2	2	3	3	4	6	6	5	6	7	6	6	6	6	5	4	5	5	5	6	7	6	5
17	6	8	8	8	10	13	22	35	31	18	8	5	5	4	6	5	6	8	10	10	12	16	11	8	11
18	8	7	5	5	4	5	5	7	7	6	9	7	7	8	6	8	9	10	9	10	9	12	11	8	8
19	8	9	7	6	7	10	16	23	23	19	12	8	6	6	6	6	6	6	7	9	10	11	10	10	10
20	8	9	9	11	13	21	27	38	-	33	16	10	5	5	6	7	6	7	6	8	7	8	9	10	12
21	12	11	10	8	8	8	8	9	8	7	8	6	6	6	5	5	5	7	8	7	6	6	7	7	7
22	7	6	6	5	5	5	6	6	7	-	-	-	-	-	-	6	9	9	10	7	8	10	9	10	7
23	3	3	3	3	4	4	8	9	9	7	7	7	6	6	5	7	6	5	4	5	5	6	6	5	6
24	5	11	21	23	19	32	47	52	33	-	7	6	6	5	5	6	6	6	7	6	7	8	7	7	14
25	7	6	6	6	6	6	7	8	8	7	7	7	6	5	7	6	5	6	5	5	5	5	6	6	6
26	6	6	6	6	5	6	11	8	9	8	8	12	9	9	8	8	9	8	7	8	6	6	8	8	8
27	7	10	10	7	8	12	11	10	9	11	11	7	8	7	-	8	8	8	10	11	10	12	12	9	9
28	10	9	9	11	11	11	10	10	9	6	6	5	5	5	5	5	5	5	7	9	13	16	11	9	8
29	10	10	9	8	6	4	4	5	8	6	5	3	5	5	5	5	3	5	7	10	10	8	8	8	7
30	8	6	4	5	5	8	8	10	12	7	5	5	5	4	4	5	8	13	12	15	12	14	13	8	8
31	9	7	11	12	14	14	12	22	32	31	23	10	6	5	5	5	5	6	4	4	4	8	6	7	11
MEAN	7	7	7	7	7	9	11	15	11	9	7	6	5	5	5	5	5	5	6	7	7	8	8	8	7.3

PERCENTAGE OF DATA VALID - 95.4 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 4.6

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR														MONTH - NOV 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6	5	-	3	5	4	17	44	48	31	11	6	-	9	9	7	7	8	12	13	15	15	18	15	14
2	20	22	17	17	11	10	13	15	22	22	22	21	15	8	6	6	12	15	21	25	33	33	37	67	20
3	46	29	29	26	28	24	31	59	96	54	13	-	7	7	6	8	9	13	18	17	16	16	18	20	26
4	23	30	43	31	19	18	19	23	19	18	17	11	9	8	7	7	8	11	15	18	19	9	16	20	17
5	23	24	22	15	13	10	7	6	6	6	7	6	6	6	5	5	4	4	4	5	5	5	5	6	9
6	6	6	8	7	5	2	4	7	8	10	11	7	9	8	9	10	11	10	8	6	5	7	8	16	8
7	16	14	9	6	3	3	3	8	15	9	7	5	5	5	6	6	8	9	11	15	16	19	21	19	10
8	23	29	17	13	14	15	21	56	43	22	15	9	7	6	6	6	7	8	6	7	7	7	7	6	15
9	5	5	12	13	5	5	8	10	17	18	14	15	12	9	6	6	7	9	15	16	13	9	10	16	11
10	16	16	15	13	9	10	12	15	16	10	9	6	-	4	4	4	6	9	15	10	13	15	21	26	12
11	19	12	10	15	16	15	16	15	16	19	20	20	20	20	20	22	14	10	9	7	6	4	4	4	14
12	3	3	3	2	2	2	3	3	3	4	3	4	4	4	6	8	7	6	6	9	9	7	4	5	5
13	5	5	4	3	2	2	3	5	10	10	8	6	7	9	8	8	8	6	4	4	4	4	4	4	8
14	8	5	6	4	7	7	10	9	9	8	7	7	6	6	4	5	6	8	7	5	3	4	4	3	6
15	3	3	2	2	2	2	2	5	6	9	8	-	12	13	13	15	13	12	9	12	17	22	23	18	10
16	22	26	25	17	19	19	27	24	28	18	6	4	4	5	6	6	7	7	6	5	4	5	4	4	12
17	3	3	3	2	3	3	6	8	-	7	6	4	4	3	4	2	7	5	5	6	6	5	4	3	4
18	3	5	3	5	2	3	3	3	5	4	4	5	5	7	7	6	8	8	4	6	8	8	6	7	5
19	9	10	9	7	7	7	8	4	3	3	4	5	-	6	6	6	7	9	12	12	14	10	10	11	8
20	11	8	6	8	4	4	5	11	15	13	5	6	6	5	6	6	9	6	4	2	2	2	4	4	6
21	3	4	4	2	3	3	4	6	8	7	4	5	5	4	6	6	6	8	5	5	6	11	14	15	6
22	16	13	11	9	11	13	13	17	21	20	22	11	15	19	22	23	24	18	15	12	10	9	9	7	15
23	7	7	7	10	10	11	13	13	14	12	8	8	9	7	-	7	10	8	8	7	6	6	7	7	9
24	5	4	2	2	2	3	2	4	6	6	5	5	5	7	6	6	7	6	5	5	4	5	4	3	5
25	2	3	1	1	3	3	3	5	7	5	3	5	5	3	4	5	7	8	6	8	8	7	4	7	5
26	6	5	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	1	1	1	1	2
27	1	2	3	2	1	2	2	2	3	4	4	5	4	6	7	7	12	12	11	11	11	14	16	10	6
28	10	10	8	10	7	9	8	10	11	8	6	5	5	6	5	5	7	7	5	5	4	5	7	7	7
29	4	5	4	5	12	12	14	13	9	8	7	8	7	4	4	4	6	10	8	8	7	9	6	6	8
30	4	4	4	3	1	1	3	4	8	5	-	-	-	4	3	6	8	7	5	8	7	7	8	14	5
MEAN	11	11	10	9	8	7	9	14	16	12	9	7	7	7	7	7	8	9	9	9	9	9	10	12	9.5

PERCENTAGE OF DATA VALID - 98.5 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 1.5

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT																							
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR												UNITS - 0.01 PARTS/MILLION											
MONTH - DEC 78																							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
MEAN																							
1	12	11	9	9	7	6	5	7	8	-	10	10	7	8	8	12	17	15	11	12	13	11	9
2	4	3	3	2	2	2	3	3	5	8	7	9	10	10	9	7	7	6	5	7	3	2	2
3	2	1	1	1	1	1	2	2	3	5	7	8	8	11	9	8	6	6	5	3	3	3	5
4	6	7	8	9	7	5	5	6	6	5	6	5	4	4	5	5	6	10	4	4	4	3	6
5	8	9	11	10	10	10	9	6	11	13	7	4	6	4	6	11	10	9	13	10	9	10	12
6	13	10	11	10	7	9	11	13	18	-	16	14	15	9	8	12	12	11	10	10	12	11	9
7	9	9	6	4	4	4	5	6	7	5	5	5	7	9	10	13	16	17	18	17	15	14	15
8	16	15	9	7	4	4	4	5	6	10	7	6	8	11	11	11	12	13	10	9	7	7	9
9	5	4	4	2	2	2	2	4	4	4	6	5	6	4	4	4	4	4	5	4	4	4	4
10	4	5	4	4	3	4	7	8	7	8	5	4	4	5	5	6	6	6	7	9	9	8	9
11	9	8	8	8	4	5	4	7	9	9	-	-	-	9	10	10	10	8	7	6	10	8	6
12	5	4	4	6	4	4	7	7	8	6	6	5	5	5	6	5	5	4	4	6	6	4	3
13	3	2	2	3	5	5	6	7	8	-	-	3	7	5	5	7	7	4	3	3	4	5	3
14	5	3	3	4	3	5	6	9	-	-	-	-	-	4	5	4	4	4	3	5	6	10	6
15	5	6	4	3	3	6	5	7	7	-	-	8	8	9	6	6	9	11	11	10	9	6	7
16	7	8	8	8	5	6	5	7	9	7	7	7	6	2	4	5	6	5	5	2	2	2	2
17	1	2	1	2	1	1	1	2	1	1	2	2	2	2	2	3	3	6	6	5	6	6	7
18	6	5	5	4	3	5	7	8	-	8	11	9	9	8	9	10	10	8	5	3	3	3	3
19	2	2	3	4	3	2	2	2	3	4	6	6	-	5	4	3	4	4	5	4	3	3	3
20	2	3	3	3	2	3	3	4	6	7	9	11	11	13	14	14	16	18	22	19	9	9	6
21	6	4	3	3	3	2	3	3	5	4	6	5	6	6	8	8	9	7	7	8	8	10	8
22	7	12	11	6	4	3	4	4	8	7	7	8	9	9	6	6	7	9	8	8	8	7	5
23	4	6	6	5	6	5	6	4	8	7	11	14	9	12	7	8	9	9	8	7	7	6	7
24	11	8	7	7	7	7	7	7	7	4	3	4	4	4	4	4	4	8	7	7	9	16	21
25	7	6	5	3	2	1	2	2	2	1	2	2	2	3	3	3	3	4	5	5	6	7	7
26	7	9	6	6	3	3	3	4	10	11	8	7	6	4	4	5	6	5	4	4	5	3	4
27	4	5	3	4	9	7	6	3	5	5	3	4	4	5	5	4	5	5	6	7	7	6	11
28	10	9	8	7	7	9	8	17	26	26	15	14	8	5	-	4	5	6	-	6	5	5	3
29	5	5	4	4	3	1	2	2	-	3	3	4	5	6	6	6	7	7	7	6	6	7	10
30	13	14	13	11	10	8	7	7	6	5	5	7	8	8	10	12	14	16	13	13	12	9	9
31	10	9	8	11	16	13	11	8	9	10	11	11	13	12	12	10	11	12	13	16	19	22	19
MEAN	7	7	6	5	5	5	5	6	8	7	7	7	7	7	7	8	8	8	8	7	7	7	7

PERCENTAGE OF DATA VALID - 97.2 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 2.8

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. -- INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	7.9	16	30
FEB	27	9.2	14	28
MAR	31	8.7	16	46
APR	29	5.6	9	26
MAY	31	6.6	15	64
JUN	30	5.6	9	22
JUL	27	5.0	7	15
AUG	31	4.9	10	30
SEP	30	4.6	9	32
OCT	30	7.3	14	53
NOV	30	9.5	26	96
DEC	31	6.8	12	26
YEAR	358	6.8	26	96

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	241	320	167	10	0	0	0	738
FEB	113	327	188	15	0	0	0	643
MAR	182	384	139	26	3	2	0	736
APR	417	225	49	3	0	0	0	694
MAY	380	268	69	5	3	2	1	728
JUN	435	227	42	1	0	0	0	705
JUL	438	202	11	0	0	0	0	651
AUG	542	140	35	11	0	0	0	728
SEP	504	169	34	3	1	0	0	711
OCT	305	310	62	22	8	1	2	710
NOV	241	265	148	39	6	5	5	709
DEC	305	317	96	5	0	0	0	723
YEAR	4103	3154	1040	140	21	10	8	8476

## FREQUENCY DISTRIBUTION BY PERCENTILES

FREQUENCY PERCENT OF DATA VALID	MIN	10	30	FREQUENCY 50	CONCENTRATIONS DISTRIBUTION, PERCENT 70	90	95	98	99	MAX	ARITH MEAN
96.8	1	2.1	3.7	5.1	7.1	11.6	14.7	20.3	24.0	96	6.8

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	5	5	4	4	4	3	4	4	3	4	4	4	4	5	6	5	4	4	4	4	5	4	4	4
2	3	3	4	4	4	5	5	4	4	4	3	4	3	4	6	4	7	5	4	4	5	5	4	4	4
3	4	4	3	3	3	3	4	5	5	6	5	4	5	7	6	-	6	7	5	5	4	6	10	10	5
4	10	7	7	6	5	4	5	5	7	12	13	14	12	10	10	10	10	9	7	7	7	9	10	7	8
5	7	9	9	10	10	11	12	18	23	-	-	17	18	19	18	18	14	10	10	10	10	15	9	8	13
6	10	7	6	7	7	5	7	8	-	-	8	10	9	9	8	8	9	8	6	6	4	9	5	4	7
7	4	4	4	4	3	3	3	3	3	4	5	5	6	6	6	6	6	6	8	7	6	7	5	6	5
8	6	5	5	5	5	5	7	8	8	7	7	8	7	8	8	1	1	2	2	1	2	1	1	1	5
9	2	1	1	2	2	2	2	3	3	4	4	4	3	3	-	4	6	5	4	3	3	2	3	3	3
10	2	2	1	2	1	1	2	2	2	4	4	4	4	4	4	5	5	5	5	4	4	5	4	3	3
11	4	3	3	3	2	2	2	3	3	3	3	3	2	2	3	3	4	4	4	4	4	4	3	3	3
12	3	3	4	4	4	4	6	9	12	10	9	14	8	-	12	16	17	16	13	13	11	9	8	9	9
13	7	6	5	6	5	5	8	9	6	6	6	7	7	8	7	6	5	4	3	3	6	2	3	6	6
14	3	5	2	2	2	2	4	3	3	4	5	5	4	5	5	4	4	5	4	4	5	3	4	4	4
15	5	6	8	12	3	3	3	3	4	4	4	2	4	4	3	3	3	4	7	7	6	6	5	4	5
16	4	5	3	4	4	4	4	6	8	10	15	17	18	18	-	20	18	13	13	12	13	27	30	23	13
17	17	9	7	7	9	9	8	6	5	6	4	5	4	4	4	4	4	4	3	4	4	4	4	4	6
18	4	4	4	3	3	4	5	8	7	4	4	5	6	7	6	4	7	9	8	8	10	13	22	19	7
19	11	13	7	15	12	5	6	15	26	16	7	6	6	6	5	4	6	5	4	3	3	3	2	2	8
20	3	2	2	2	3	3	3	4	4	-	-	2	4	4	4	4	4	5	4	4	5	6	3	3	4
21	3	5	5	5	5	6	7	7	6	6	5	4	8	6	6	6	6	7	5	5	8	9	8	8	6
22	8	8	9	9	8	9	6	13	13	15	15	12	13	10	13	15	13	10	13	9	10	10	16	17	11
23	16	16	12	9	8	8	9	14	19	14	16	18	22	19	18	14	13	12	-	14	15	16	16	15	15
24	20	19	19	12	12	10	10	14	16	17	18	14	13	13	15	15	10	13	11	12	8	9	10	12	13
25	13	11	8	6	4	4	5	8	7	8	5	6	6	6	5	6	5	7	5	5	4	4	6	5	6
26	4	3	3	3	3	4	6	5	6	6	5	3	2	3	2	-	-	-	-	-	-	-	-	-	4
27	-	-	-	-	-	-	-	-	-	-	6	5	4	4	5	5	4	4	4	3	3	4	4	4	4
28	4	3	3	3	3	3	4	4	4	4	4	5	5	5	5	5	6	6	5	5	5	5	4	4	4
29	4	3	3	3	3	3	4	2	2	2	3	3	3	4	4	3	4	4	4	4	5	6	4	4	4
30	3	3	3	3	3	4	4	6	7	7	6	7	6	5	6	5	4	5	4	4	5	8	9	8	5
31	5	6	9	10	9	6	6	8	8	6	6	6	5	4	4	4	5	5	4	4	4	5	6	6	6
MEAN	6	6	5	6	5	5	5	7	8	7	7	7	7	7	7	7	7	7	6	6	6	8	7	7	6.5

PERCENTAGE OF DATA VALID - 96.1

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 3.9

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY





ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA															MONTH - APR 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
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24																									
25																									
26																									
27																									
28																									
29	22	25	19	10	7	8	7	5	6	4	2	2	2	2	2	2	2	2	1	1	2	1	1	2	6
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6
MEAN	12	13	10	6	4	5	4	3	4	3	2	2	2	2	2	2	2	3	3	4	6	5	6	11	4.8

PERCENTAGE OF DATA VALID - 8.1 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 93.9

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA													MONTH - MAY 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	2	1	2	2	3	3	3	3	3	3	-	3	3	3	2	2	2	2	2	2	2	2	2
2	1	1	1	1	1	3	4	3	2	3	3	4	4	4	4	4	3	2	2	3	4	6	8	9	3
3	5	6	6	5	6	7	8	6	4	4	4	4	4	2	2	2	2	2	2	3	5	4	2	2	4
4	1	1	1	1	1	3	4	4	4	-	-	4	3	4	4	6	3	6	2	2	2	2	2	1	4
5	1	1	1	1	1	3	4	4	4	-	-	5	5	5	6	9	8	7	5	6	5	5	5	4	4
6	4	4	3	2	2	2	3	3	3	4	4	4	4	3	3	4	4	4	3	5	5	5	6	6	4
7	4	3	4	4	5	5	4	3	2	2	2	1	1	1	1	1	2	2	3	6	3	2	1	1	3
8	1	1	1	1	1	2	3	3	3	2	3	3	-	-	3	4	4	6	6	8	4	10	11	4	4
9	10	13	7	6	7	6	8	9	5	3	3	3	2	3	3	2	1	1	1	1	1	1	2	1	4
10	1	2	1	1	1	1	3	3	2	3	3	4	4	3	3	3	2	2	3	2	3	3	2	2	2
11	2	2	1	1	3	2	4	4	4	6	6	5	-	-	10	10	7	8	10	10	8	6	4	4	3
12	4	3	3	4	4	3	5	4	4	5	6	6	6	5	6	7	7	7	7	5	5	5	5	4	5
13	4	4	4	3	3	4	4	4	4	5	6	6	7	4	4	3	4	4	5	5	4	4	4	3	4
14	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	4	4	3	3	2	2	2	2
15	1	1	1	1	1	3	4	4	4	5	5	5	4	-	-	5	4	4	4	2	2	2	2	1	3
16	2	1	1	1	1	1	3	5	3	3	3	3	3	3	3	5	4	3	4	3	4	3	2	2	3
17	1	1	1	1	1	2	3	3	3	3	3	3	3	3	3	4	4	4	3	4	4	3	4	2	3
18	2	3	2	2	2	4	5	5	9	13	11	10	7	6	6	6	6	6	7	8	10	14	14	14	7
19	10	7	8	10	8	7	8	7	6	5	4	4	4	3	3	3	3	3	3	4	6	8	8	9	6
20	9	5	5	8	10	14	16	10	9	11	11	9	9	9	6	5	10	6	6	9	6	3	3	2	8
21	2	2	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	3	2	1
22	5	7	4	4	4	5	2	3	5	10	13	8	3	2	1	1	1	1	1	2	6	10	10	5	5
23	6	7	4	5	7	5	7	8	6	6	6	6	6	5	6	7	5	5	3	5	4	4	3	4	5
24	2	2	2	3	3	2	5	4	4	4	4	4	4	4	4	5	4	4	3	3	4	4	4	5	4
25	7	4	5	6	4	7	13	16	11	7	7	4	3	2	3	3	4	5	7	6	8	7	7	9	6
26	8	8	10	12	11	12	15	13	12	7	6	4	3	3	3	3	3	3	3	5	6	6	7	6	7
27	10	8	5	5	4	4	7	9	6	6	8	5	3	2	2	3	4	4	6	6	10	9	10	8	6
28	6	6	4	4	3	4	3	2	3	7	7	7	6	6	3	2	2	4	4	2	3	3	3	2	4
29	2	2	1	1	1	3	4	4	5	5	4	3	3	3	4	4	6	6	3	3	3	3	2	1	3
30	2	1	1	3	3	6	7	-	-	6	4	4	4	3	2	4	5	4	7	10	6	5	5	4	4
31	6	6	7	6	5	7	8	7	5	5	4	4	-	-	-	-	-	-	3	3	3	3	1	1	5
MEAN	4	4	3	3	3	4	5	5	5	5	5	4	4	4	4	4	4	4	4	4	5	4	5	4	4.2

PERCENTAGE OF DATA VALID - 97.0 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 3.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

	POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
	STATION - SW NO 14049					156 VICTORIA ST NORTH					SARNIA		MONTH - JUN 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	1	1	1	1	1	2	2	4	2	-	3	7	8	7	9	8	6	6	5	5	4	5	7	8	4	
2	7	6	6	10	9	8	7	5	4	6	4	4	4	4	6	4	4	5	9	8	8	4	2	2	6	
3	1	1	1	1	1	1	1	1	2	2	3	2	2	2	3	1	1	1	2	2	2	2	3	3	2	
4	4	6	7	4	4	6	5	4	2	2	2	2	2	2	2	5	4	4	7	7	4	5	4	1	4	
5	1	1	2	2	2	2	2	3	3	3	3	3	-	-	3	3	3	3	3	3	4	6	3	2	3	
6	2	2	2	1	2	4	8	9	6	6	4	5	4	4	5	5	6	6	2	2	1	1	1	1	4	
7	1	1	2	2	3	4	8	7	8	9	10	8	8	8	8	8	9	9	7	7	7	7	7	8	7	
8	8	12	6	7	6	5	6	5	4	-	4	5	5	5	5	5	4	4	3	2	4	3	6	4	5	
9	3	4	4	4	5	6	7	7	6	5	4	3	3	4	4	4	3	2	2	3	3	2	3	2	4	
10	2	3	3	4	3	5	2	2	3	6	7	5	5	4	5	4	4	4	4	3	3	3	3	3	4	
11	4	4	8	6	5	5	7	10	7	6	5	5	5	5	5	5	6	6	5	5	5	5	7	5	6	
12	6	6	6	8	5	7	8	10	10	10	10	11	11	-	-	-	-	-	-	-	-	-	-	-	-	
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	3	3	3	3	4	3	4	3	*****	
14	2	1	1	1	1	3	3	3	2	2	1	1	2	2	3	3	3	3	5	8	10	10	6	3	3	
15	5	5	7	5	7	6	7	7	7	5	5	3	3	3	3	3	3	3	3	3	3	3	3	2	4	
16	- DATA UNAVAILABLE -																									
17	- DATA UNAVAILABLE -																									
18	- DATA UNAVAILABLE -																									
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	4	4	4	5	*****	
20	4	3	8	4	6	8	10	8	5	5	4	6	5	-	4	5	5	4	4	3	3	3	3	2	5	
21	3	4	5	6	6	7	7	6	7	6	8	6	5	5	6	5	4	4	4	5	7	7	6	3	6	
22	2	3	3	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	4	5	5	4	3	
23	3	2	2	3	3	4	4	4	3	4	4	4	3	-	4	3	3	4	4	3	3	4	3	5	3	
24	5	5	3	5	5	6	5	6	4	4	5	3	3	3	4	3	3	3	3	4	4	3	3	4	4	
25	3	3	3	3	3	3	3	3	4	5	8	7	7	6	5	6	4	6	5	6	5	6	6	5	5	
26	6	6	6	6	6	7	9	13	13	12	10	-	-	7	9	9	7	7	6	6	8	10	10	9	8	
27	9	9	11	13	13	15	16	17	20	17	12	11	10	9	9	8	7	6	6	5	5	5	4	4	10	
28	3	3	3	6	6	7	6	5	6	5	5	6	5	5	5	5	4	6	7	9	9	9	8	7	6	
29	5	4	4	4	6	6	6	6	5	6	5	6	6	-	4	7	7	7	6	6	8	7	6	6	6	
30	6	6	6	5	4	6	5	5	5	5	5	5	5	5	5	5	4	4	4	4	5	3	3	3	5	
MEAN	4	4	4	5	5	6	6	6	6	6	5	5	5	5	5	5	4	4	4	5	5	5	5	4	4.9	

PERCENTAGE OF DATA VALID - 82.5

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 17.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA															MONTH - JUL 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	1	1	1	2	2	2	1	2	3	3	4	3	3	2	3	4	4	4	5	7	8	3	3
2	4	3	3	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	3	2	2
3	1	1	1	1	1	2	3	3	3	3	4	4	4	4	5	6	6	6	6	6	5	6	6	6	4
4	3	3	3	3	3	4	4	5	5	5	6	6	6	6	6	5	5	5	5	5	6	6	5	5	5
5	4	5	5	5	6	9	13	12	10	12	10	9	8	7	6	6	6	5	5	6	7	6	5	4	7
6	8	7	6	5	8	7	9	10	9	9	11	-	-	6	8	8	5	5	6	7	6	6	6	7	7
7	5	5	5	5	6	7	8	13	14	13	9	9	8	8	7	8	8	7	7	6	5	5	6	8	8
8	9	7	6	6	6	6	9	5	3	3	3	4	4	4	4	4	4	3	4	4	3	3	5	4	5
9	6	5	4	5	5	5	4	4	4	4	3	4	4	4	4	4	5	5	6	7	7	8	6	7	5
10	4	2	2	2	2	2	1	1	2	2	2	2	-	3	2	3	2	2	1	1	2	1	2	1	2
11	1	1	2	1	1	2	2	3	3	3	3	3	2	2	2	2	2	1	1	2	3	5	6	5	2
12	6	5	3	3	5	7	14	10	8	5	1	2	5	4	2	5	6	6	3	2	2	2	2	2	5
13	2	2	2	3	5	6	9	9	7	8	8	9	10	10	10	9	7	7	7	7	7	7	7	7	7
14	5	4	3	3	3	4	4	4	-	3	4	5	4	4	4	4	4	4	3	3	4	4	4	4	4
15	4	5	8	6	7	8	9	9	7	4	4	4	4	4	4	3	3	3	2	2	3	2	1	1	4
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	3	1	1
17	1	0	1	2	1	4	5	4	3	2	3	3	3	3	3	2	1	1	1	2	2	4	6	4	3
18	2	3	3	4	7	8	10	13	12	8	7	7	8	6	6	10	4	5	4	4	3	3	3	3	6
19	3	4	5	10	12	9	10	12	14	13	12	-	-	-	-	-	10	4	5	4	4	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MEAN	4	3	3	4	4	5	6	6	6	5	5	5	5	5	4	4	4	4	4	4	4	4	5	4	4.5

PERCENTAGE OF DATA VALID - 59.0

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 41.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	30	6.5	15	30
FEB	28	6.0	10	29
MAR	23	5.3	12	23
APR	1	4.8	6	25
MAY	31	4.2	8	16
JUN	24	4.9	10	20
JUL	18	4.5	8	14
YEAR	155	5.3	15	30

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	402	213	93	7	0	0	0	715
FEB	351	266	48	3	0	0	0	668
MAR	341	153	46	2	0	0	0	542
APR	31	9	2	2	0	0	0	44
MAY	539	162	21	0	0	0	0	722
JUN	394	184	16	0	0	0	0	594
JUL	300	124	15	0	0	0	0	439
YEAR	2358	1111	241	14	0	0	0	3724

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	CONCENTRATIONS FREQUENCY DISTRIBUTION, PERCENT									MAX	ARITH MEAN
	MIN	10	30	50	70	90	95	98	99		
73.2	0	1.4	2.9	4.0	5.6	9.0	11.6	14.8	17.2	30	5.3

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14064

CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA

MONTH - AUG 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10	2	2	2	2	2	2	2	3	2	1	2	2	2	2	2	2	2	2	2	2	3	3	3	4	2
11	6	7	8	8	5	7	11	7	4	3	2	2	2	2	2	2	2	2	2	3	4	5	3	3	4
12	3	3	4	4	3	3	4	7	10	8	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4
13	4	4	4	4	3	3	5	5	4	4	3	4	4	4	4	4	4	4	4	5	4	4	4	3	4
14	4	5	4	4	6	6	6	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	6	6	5	5	4	4	5	4	4	4	4	5	-
16	5	4	4	5	4	4	3	4	3	4	4	4	3	3	3	4	4	4	3	3	3	3	3	3	4
17	2	3	3	3	3	3	3	3	3	3	3	3	2	1	2	2	1	1	2	2	3	3	3	3	3
18	3	3	3	3	3	3	4	4	4	4	7	4	-	7	5	4	5	6	5	3	4	4	4	5	4
19	5	5	5	4	4	5	3	3	3	3	4	3	3	3	3	4	5	5	5	6	5	5	5	5	4
20	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	7	8	9	11	13	6
21	14	9	12	13	13	10	9	9	7	7	9	8	-	4	3	3	3	3	3	5	6	6	4	2	7
22	2	2	3	4	6	8	12	11	6	4	4	4	4	4	5	5	5	5	6	6	6	6	6	6	5
23	5	5	4	4	5	6	9	11	7	6	5	4	4	4	4	4	5	6	5	5	5	6	5	5	5
24	4	4	4	4	4	4	5	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	4
25	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4
26	9	8	4	4	6	7	5	4	3	3	3	3	2	2	3	3	3	3	3	4	3	3	2	3	3
27	5	4	3	5	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4
28	3	5	6	5	8	5	5	4	3	3	3	3	3	6	6	3	3	3	3	3	3	3	3	3	4
29	4	4	4	3	3	3	3	3	3	3	2	2	1	1	1	1	1	1	2	3	3	3	3	3	3
30	3	4	4	3	3	4	7	9	7	5	3	-	1	2	2	-	2	3	2	3	2	2	3	1	3
31	2	1	1	1	1	2	4	4	3	2	-	-	-	2	4	4	2	2	3	5	5	7	20	23	5
MEAN	4	4	4	4	4	5	5	6	4	4	4	3	3	3	3	3	3	3	3	4	4	4	5	5	4.1

PERCENTAGE OF DATA VALID - 67.6

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 32.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14064

CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA

MONTH - SEP 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	25	18	9	15	7	4	14	17	17	10	4	3	3	3	4	4	6	6	6	6	4	5	5	5	8
2	5	3	3	4	5	7	8	8	6	4	4	4	6	5	5	5	5	7	7	6	7	9	6	7	6
3	8	9	4	4	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
4	2	2	2	2	2	2	5	2	4	2	2	2	2	2	2	2	2	2	3	4	5	4	4	3	3
5	4	4	3	3	3	4	11	5	4	4	4	4	3	3	4	4	3	4	5	10	12	8	6	7	5
6	8	7	4	5	4	5	5	5	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4
7	3	3	3	3	3	3	4	3	3	-	1	1	1	-	-	1	1	1	2	3	3	4	5	5	3
8	4	3	3	3	3	4	6	8	7	7	5	4	-	-	-	-	1	2	2	1	1	1	1	1	3
9	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	2	1	1	1	2	2	1
10	2	2	1	1	1	1	1	1	1	3	5	2	2	1	3	3	4	3	5	4	5	2	3	4	3
11	6	6	6	7	6	6	7	5	-	-	-	-	-	-	-	-	-	-	5	5	4	4	2	1	*****
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1
13	1	1	1	2	2	2	2	2	2	2	2	2	1	-	-	-	7	3	3	2	2	2	2	2	2
14	2	2	1	2	2	3	4	4	7	6	6	6	5	5	4	5	5	7	5	4	3	3	3	3	4
15	3	3	3	3	3	3	4	4	2	2	2	2	1	3	2	4	3	7	6	8	6	7	7	4	4
16	3	3	3	3	3	2	2	3	2	2	2	2	2	2	2	2	2	3	3	3	4	3	4	4	3
17	3	3	1	1	1	1	1	1	3	4	3	4	3	4	5	4	4	4	3	3	3	3	3	3	3
18	3	3	3	3	1	2	4	5	4	4	4	4	4	4	4	5	6	6	3	4	3	3	3	3	4
19	2	2	2	2	2	2	2	3	3	3	3	8	31	27	11	5	5	8	4	3	3	2	2	6	6
20	2	2	2	2	2	2	5	6	-	6	9	8	5	5	4	5	6	5	7	5	5	8	4	4	5
21	4	5	5	3	1	2	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	3
22	2	2	1	1	2	2	2	3	2	2	3	2	3	3	2	3	3	3	3	3	3	5	4	4	3
23	4	3	3	3	4	5	6	7	6	5	3	3	3	2	2	3	3	4	5	8	5	6	7	10	5
24	5	7	4	4	3	4	5	5	3	3	2	2	2	2	2	2	3	3	4	5	5	3	3	3	4
25	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	5	9	10	8	8	3
26	8	7	6	4	3	4	7	9	6	-	6	5	5	4	4	3	4	2	3	7	11	11	12	10	5
27	7	10	8	8	12	11	13	11	9	-	6	5	5	4	4	3	4	2	3	7	3	4	4	3	5
28	2	2	2	2	2	2	8	7	5	3	2	2	3	2	2	3	4	4	3	3	4	4	4	4	5
29	5	6	4	4	6	7	14	15	7	5	3	4	4	4	5	4	4	4	3	3	4	4	4	4	3
30	4	3	3	3	4	5	4	6	6	7	8	5	4	7	5	5	3	4	5	5	5	4	4	4	3
MEAN	4	4	3	3	3	3	5	5	4	4	3	3	3	4	4	4	3	4	4	4	4	4	4	4	3.9

PERCENTAGE OF DATA VALID - 96.8

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 3.2

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA															MONTH - OCT 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	5	8	9	17	18	4
2	15	7	3	3	4	7	23	39	16	7	7	6	7	-	-	-	-	-	-	-	-	-	-	-	*****
3	-	-	-	-	-	-	-	-	-	4	5	4	-	-	5	6	7	7	8	10	8	8	4	2	*****
4	4	4	4	4	4	4	5	5	4	4	3	2	2	2	3	3	2	2	4	4	4	6	5	5	4
5	7	6	5	3	3	4	5	6	5	5	4	5	5	5	5	5	4	8	7	7	9	9	8	8	6
6	8	6	6	6	5	5	5	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4
7	2	3	2	1	1	2	5	3	2	2	2	2	1	2	2	2	2	3	3	3	3	2	2	2	2
8	1	1	2	2	2	3	2	2	2	2	2	2	2	2	2	2	3	4	4	4	3	3	4	4	3
9	4	5	4	4	4	8	12	13	10	11	8	5	5	7	6	6	6	6	7	7	7	8	10	10	7
10	9	5	4	5	5	5	6	8	7	7	9	10	8	6	6	4	7	5	5	4	3	3	3	3	6
11	3	3	3	3	3	5	7	8	6	5	4	4	4	4	5	6	5	6	4	4	5	5	5	4	5
12	6	7	6	6	5	6	6	5	2	2	2	2	-	2	2	2	2	2	3	4	4	3	4	5	4
13	6	6	4	4	4	4	5	5	4	4	3	4	3	3	3	3	3	3	3	3	3	3	3	3	4
14	2	2	3	2	1	1	1	2	2	2	2	2	1	1	2	1	1	1	1	1	2	2	2	3	2
15	3	3	2	2	1	2	2	3	2	3	2	4	4	3	5	4	4	5	4	3	3	3	3	3	4
16	1	1	2	2	2	3	3	4	3	4	2	3	4	2	2	2	2	2	2	2	3	3	4	5	3
17	6	7	7	7	6	8	21	23	-	-	3	3	3	2	2	4	3	3	3	3	3	3	3	3	6
18	3	2	3	3	4	6	7	10	9	7	6	5	3	3	5	6	7	7	6	5	6	7	7	7	6
19	5	3	1	1	1	1	2	4	7	4	3	3	3	1	1	1	2	2	2	2	2	2	2	2	2
20	2	3	4	4	4	2	3	6	6	4	2	1	1	1	1	1	5	7	8	7	7	7	7	6	4
21	5	4	8	9	11	12	12	9	7	6	7	8	7	6	4	4	4	5	6	8	7	7	6	9	7
22	9	9	9	7	5	6	8	10	7	8	5	6	5	6	6	8	4	6	5	5	1	1	1	1	6
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1
24	1	1	2	2	1	4	3	4	6	6	5	5	5	4	4	5	5	7	7	6	6	6	7	-	4
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	10	9	8	8	6	11	10	9	*****
26	10	11	3	2	1	1	2	3	2	-	-	1	1	1	1	2	3	3	4	4	4	3	3	3	3
27	4	4	3	3	4	5	6	8	14	13	11	5	4	3	3	3	3	4	5	5	5	7	7	8	6
28	9	8	9	9	5	3	3	3	2	2	2	1	1	2	1	3	3	5	8	6	13	6	2	9	5
29	8	4	4	4	2	2	3	4	3	4	4	2	1	1	0	1	1	3	5	7	6	6	5	3	3
30	3	2	2	2	2	2	5	7	7	5	5	9	9	8	5	4	6	7	7	7	7	7	7	7	6
31	5	5	6	5	8	7	7	9	13	4	2	2	1	2	1	2	1	1	0	1	1	1	1	1	4
MEAN	5	4	4	4	3	4	6	7	6	5	4	4	3	3	3	3	4	4	5	5	5	5	5	5	4.4

PERCENTAGE OF DATA VALID - 94.0 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 6.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA															MONTH - NOV 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	2	2	2	4	3	4	10	13	-	4	2	5	6	5	4	3	2	3	4	4	3	4	5	4
2	12	14	12	10	10	7	7	7	9	8	6	4	3	2	2	2	2	3	6	8	11	8	11	6	7
3	6	6	6	7	11	13	20	34	16	14	8	5	4	4	5	3	4	5	5	4	5	4	3	5	8
4	7	7	8	8	11	12	9	13	10	8	4	3	2	3	4	5	4	3	2	1	1	2	3	7	6
5	7	4	6	3	7	8	9	7	5	6	5	5	2	2	2	3	2	3	3	3	3	3	6	9	5
6	3	3	2	1	1	1	1	1	1	1	-	1	2	3	3	3	3	3	4	6	8	13	13	8	3
7	1	1	0	0	0	0	0	1	1	1	-	-	7	7	6	9	10	8	7	7	5	5	7	9	9
8	6	6	6	7	5	14	9	12	26	13	-	-	7	7	6	9	10	8	7	7	5	5	7	9	9
9	7	3	2	1	1	2	2	4	7	5	6	5	6	6	6	5	4	6	5	7	9	6	8	5	5
10	10	7	7	6	6	7	10	13	13	11	12	11	8	6	8	8	10	11	12	10	10	10	10	9	9
11	9	10	11	7	6	10	10	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MEAN	6	6	6	5	6	7	7	10	10	7	6	4	4	4	4	4	4	5	5	5	6	6	6	6	5.8

PERCENTAGE OF DATA VALID - 33.9 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 66.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA UNAVAILABLE		
FEB		DATA UNAVAILABLE		
MAR		DATA UNAVAILABLE		
APR		DATA UNAVAILABLE		
MAY		DATA UNAVAILABLE		
JUN		DATA UNAVAILABLE		
JUL		DATA UNAVAILABLE		
AUG	20	4.1	7	23
SEP	29	3.9	8	31
OCT	28	4.4	7	39
NOV	10	5.8	9	34
DEC		DATA UNAVAILABLE		
YEAR	87	4.3	9	39

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	DATA UNAVAILABLE							
FEB	DATA UNAVAILABLE							
MAR	DATA UNAVAILABLE							
APR	DATA UNAVAILABLE							
MAY	DATA UNAVAILABLE							
JUN	DATA UNAVAILABLE							
JUL	DATA UNAVAILABLE							
AUG	422	69	11	1	0	0	0	503
SEP	573	104	17	2	1	0	0	697
OCT	499	179	17	3	1	0	0	699
NOV	127	88	27	1	1	0	0	244
DEC	DATA UNAVAILABLE							
YEAR	1621	440	72	7	3	0	0	2143

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
73.2	0	1.0	2.1	3.0	4.5	7.3	9.2	12.1	14.2	39	4.3

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY.LONDON															MONTH - JAN 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	3	1	1	1	1	1	1	1	1	1	2	3	3	3	6	3	3	2	3	3	4	4	2
2	4	4	3	3	2	2	3	3	4	5	4	3	3	5	5	3	3	5	5	6	3	3	5	5	4
3	4	4	3	3	3	4	4	5	6	-	-	4	4	-	3	4	4	6	6	6	4	6	-	-	4
4	7	6	5	8	11	13	10	8	7	7	7	6	5	-	8	8	8	-	7	7	8	8	8	8	8
5	-	7	7	6	6	7	12	13	17	14	15	15	12	11	12	13	12	13	13	16	13	16	15	11	12
6	-	9	7	6	6	5	4	7	8	5	5	5	6	6	5	5	5	5	6	6	4	4	5	4	6
7	2	3	2	2	2	2	4	4	4	5	5	6	7	6	6	7	10	10	8	7	7	7	7	5	5
8	6	7	7	6	6	5	5	5	5	6	10	9	8	7	7	6	3	2	2	2	2	1	1	1	5
9	1	1	1	1	1	1	1	1	2	1	1	1	2	3	1	9	3	3	1	1	1	1	1	1	2
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
11	1	2	2	2	2	2	2	4	5	5	6	6	8	6	7	6	6	7	7	6	6	5	4	4	5
12	4	5	4	6	6	9	14	10	13	10	9	9	8	9	9	10	12	14	11	13	11	11	10	9	9
13	6	4	4	5	5	6	6	8	7	5	5	6	5	-	6	6	6	4	4	4	3	3	3	3	5
14	2	2	1	1	1	1	1	1	1	1	2	1	2	1	2	3	2	3	2	2	3	2	3	3	2
15	4	6	6	5	4	4	4	5	6	5	3	2	3	3	3	3	4	4	3	3	3	4	5	4	4
16	5	-	5	5	6	6	8	11	14	12	9	9	-	-	-	7	8	9	8	7	12	13	25	33	11
17	34	38	30	19	12	8	6	7	6	5	5	5	6	4	4	4	4	4	3	3	2	2	2	2	9
18	2	1	1	1	1	1	2	4	5	5	2	3	3	3	3	3	4	6	8	8	6	10	14	14	5
19	10	11	7	7	8	8	11	16	17	13	9	5	4	4	3	4	4	4	4	4	3	3	3	3	7
20	2	2	2	2	2	2	2	2	2	4	5	4	4	3	-	3	3	3	4	4	4	4	4	4	3
21	3	3	3	2	2	1	2	2	4	4	3	3	4	6	3	4	5	6	6	15	16	12	9	6	5
22	8	7	6	7	6	4	4	5	5	7	8	13	13	10	11	9	9	7	5	5	7	7	7	9	8
23	6	6	5	5	5	5	7	12	15	14	-	8	7	7	9	9	12	13	15	16	11	14	14	14	10
24	9	8	9	6	8	8	7	11	20	12	11	10	9	8	9	11	11	9	7	7	7	8	8	7	9
25	7	5	5	5	5	4	4	6	6	6	6	7	9	7	7	8	11	12	11	10	7	4	4	3	7
26	3	2	2	2	3	4	4	4	4	3	3	2	2	3	3	2	2	2	2	2	2	1	1	1	2
27	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3	3	3	3	4	3	3	4	2
28	4	4	4	4	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	3
29	2	2	2	2	2	2	2	2	3	3	3	3	2	3	3	3	3	3	3	3	2	2	2	2	2
30	1	1	1	1	1	1	2	3	4	3	3	-	3	3	3	4	4	6	7	8	6	5	7	11	4
31	5	5	6	7	7	8	9	9	12	12	9	8	8	8	8	4	4	4	4	4	5	6	5	5	7
MEAN	5	5	5	4	4	4	5	6	7	6	5	5	5	5	5	5	6	6	6	6	5	6	6	6	5.3

PERCENTAGE OF DATA VALID - 97.7

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 2.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY.LONDON															MONTH - FEB 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	4	4	3	2	2	3	4	9	8	6	5	4	4	4	5	7	7	8	9	7	7	9	13	
2	8	6	6	5	6	8	11	20	21	16	13	7	6	6	5	5	5	5	6	6	6	5	7	5	8
3	2	2	2	2	2	2	5	23	26	19	17	9	6	5	4	3	3	5	8	11	12	12	14	10	9
4	5	9	9	6	8	7	15	25	29	17	9	6	5	5	4	4	7	9	10	14	14	13	14	12	11
5	6	6	5	4	5	5	5	6	6	4	4	5	4	5	5	3	3	3	3	3	3	2	2	4	4
6	2	2	2	2	2	2	1	3	4	3	3	1	2	2	1	1	2	3	4	2	2	1	1	1	2
7	1	1	1	1	1	1	1	1	3	2	7	4	3	3	3	3	3	5	6	6	8	10	8	4	4
8	7	4	4	4	7	9	16	25	15	8	7	6	8	4	4	5	5	6	6	7	9	10	7	6	8
9	5	5	5	6	5	6	11	12	9	8	6	3	2	2	3	3	4	5	6	6	6	5	4	4	5
10	4	3	3	3	5	4	6	7	9	10	8	4	5	4	-	4	4	5	14	15	14	12	10	10	7
11	5	6	6	5	4	4	5	6	7	7	6	6	4	4	3	3	4	4	4	4	4	4	4	3	5
12	4	4	2	2	2	2	2	1	2	2	2	1	3	3	3	3	3	2	2	2	3	3	2	2	2
13	2	2	2	-	3	3	4	5	6	6	4	2	3	3	-	4	4	4	3	4	3	2	2	3	3
14	2	2	2	1	1	1	3	5	5	5	3	3	3	2	1	3	3	4	5	6	9	15	15	22	5
15	32	27	10	13	19	22	26	29	21	11	8	7	6	5	5	5	6	7	6	9	6	6	6	5	12
16	3	3	4	2	5	5	6	10	8	6	6	6	6	5	5	7	8	7	8	9	6	5	5	4	6
17	4	4	4	4	4	5	6	9	9	8	7	7	8	6	-	8	11	15	15	12	13	11	12	8	8
18	8	7	6	6	6	7	8	8	8	8	8	9	11	8	5	5	6	5	6	8	7	7	9	10	7
19	14	27	20	19	26	24	26	29	33	15	4	3	3	4	3	3	3	4	7	12	11	12	8	8	13
20	7	5	4	3	3	3	3	5	7	-	-	-	-	-	-	6	5	5	5	8	7	7	9	9	6
21	7	7	10	11	13	15	22	33	38	36	18	8	5	3	2	2	4	4	4	4	5	4	3	2	11
22	2	2	2	4	2	4	4	3	5	4	3	3	3	3	3	3	3	3	4	5	4	6	7	5	4
23	4	5	5	6	5	6	9	15	18	11	6	5	5	5	5	5	5	7	7	9	5	7	5	5	6
24	6	5	3	2	2	4	4	4	7	6	4	1	2	2	2	2	2	2	3	3	3	4	3	3	4
25	4	4	3	2	2	4	4	4	7	6	4	1	2	2	2	2	2	2	2	3	3	4	4	4	2
26	2	2	2	2	3	2	2	2	2	2	1	1	2	2	2	2	2	2	2	3	3	4	4	4	2
27	4	4	4	3	2	2	3	4	5	4	3	3	3	3	3	4	5	5	8	5	4	6	7	4	4
28	5	5	4	5	5	5	12	16	-	-	5	4	4	4	4	3	3	3	4	4	5	5	7	4	5
MEAN	6	6	5	5	5	6	8	11	12	9	7	5	5	4	4	4	5	5	6	7	7	7	7	7	6.2

PERCENTAGE OF DATA VALID - 97.9

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 2.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION										
		STATION - SW NO 15001					WESTERN FAIR GROUNDS					KING/RECTORY, LONDON					MONTH - MAR 78									
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		5	3	3	3	3	2	2	4	4	2	2	2	3	2	3	3	3	3	4	4	4	4	7	8	3
2		9	10	8	10	5	4	10	15	14	10	6	4	3	3	4	4	7	8	7	8	7	8	11	9	8
3		4	3	3	2	2	2	2	4	4	-	-	2	2	3	4	3	3	3	3	3	3	3	2	2	3
4		2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	4	3	4	4	3	2
5		3	2	2	1	2	3	3	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3
6		3	3	3	3	4	5	7	10	13	8	4	2	2	2	2	2	3	3	3	4	4	7	9	8	5
7		6	3	2	2	1	2	3	7	11	-	-	5	3	3	1	2	2	-	-	6	6	5	5	4	4
8		4	4	3	4	4	4	6	8	7	5	4	3	3	3	4	-	4	4	6	10	12	16	16	22	7
9		21	28	22	22	12	13	26	40	37	21	9	7	8	7	8	8	9	11	18	21	13	10	8	18	7
10		6	6	6	6	6	8	10	11	10	7	-	-	4	-	-	4	5	6	6	6	6	6	6	6	6
11		11	10	8	5	4	5	5	6	9	8	8	7	10	10	10	8	11	10	12	13	13	14	21	16	10
12		12	10	7	6	4	4	4	4	3	3	3	2	3	4	4	4	3	3	4	6	6	6	6	6	5
13		8	6	6	6	6	8	10	13	14	-	-	6	5	6	5	5	6	6	7	6	5	6	8	5	7
14		4	4	4	4	3	3	4	4	7	7	6	5	6	5	5	6	6	6	4	4	4	4	4	4	5
15		3	3	3	2	2	2	3	4	5	4	4	4	4	4	4	4	4	5	4	4	4	3	3	4	4
16		3	4	3	3	3	3	3	6	4	5	3	4	5	4	6	6	8	9	10	8	6	5	5	4	5
17		4	4	3	3	3	4	5	6	6	6	7	6	5	5	-	6	6	6	5	6	6	6	8	9	5
18		8	6	5	5	4	4	7	8	5	5	6	6	6	6	4	4	5	5	5	5	4	4	4	3	5
19		3	3	3	3	3	3	3	3	3	3	2	2	3	3	3	3	3	3	3	3	4	3	4	4	3
20		4	5	10	10	10	7	13	11	7	6	4	4	4	5	-	6	8	8	8	7	6	5	5	5	7
21		4	6	5	5	9	10	7	13	14	8	7	7	5	5	5	5	6	5	5	4	4	5	5	4	6
22		3	3	2	3	3	4	5	9	9	8	8	6	7	6	9	12	10	9	10	10	9	8	5	7	7
23		3	3	3	3	2	2	3	3	5	5	5	-	4	4	4	4	4	5	6	9	11	12	2	2	5
24		1	2	2	2	2	2	2	2	2	2	1	1	0	1	1	1	1	1	1	1	2	2	2	2	2
25		3	3	3	1	1	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
26		2	2	2	2	2	2	2	2	2	2	3	3	3	5	5	5	5	3	4	4	3	3	4	3	3
27		4	5	5	4	4	3	5	5	4	5	3	3	3	4	4	4	4	3	3	4	3	4	4	6	4
28		4	4	4	4	4	3	4	5	6	-	-	5	6	7	7	8	9	10	9	13	7	6	4	4	6
29		4	3	3	3	2	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	4	4	7	6	3
30		-	6	4	4	5	4	6	7	8	5	3	3	3	3	5	5	6	7	7	9	8	8	7	9	6
31		8	7	8	8	10	12	13	11	8	7	-	5	5	5	7	8	8	6	6	6	5	5	6	9	8
MEAN		5	5	5	5	4	4	6	7	7	6	4	4	4	4	4	5	5	5	5	6	6	6	6	6	5.3

PERCENTAGE OF DATA VALID - 97.3

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 2.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION										
		STATION - SW NO 15001					WESTERN FAIR GROUNDS					KING/RECTORY, LONDON					MONTH - APR 78									
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		8	7	5	4	3	3	3	4	4	4	4	4	4	4	3	3	3	3	3	3	2	2	1	1	4
2		1	1	1	1	1	1	1	1	1	1	2	2	1	2	2	3	3	2	2	2	4	3	3	3	2
3		2	1	1	1	1	1	2	3	4	4	3	3	4	4	-	5	6	6	6	6	5	6	7	11	4
4		4	4	4	4	4	4	5	6	8	7	7	7	9	9	8	11	15	17	9	6	4	3	3	2	7
5		2	2	2	2	2	2	3	4	3	3	3	3	3	3	3	3	4	4	4	6	7	9	16	16	5
6		7	5	4	5	5	5	5	5	5	5	6	5	5	-	-	5	5	5	4	5	5	5	6	10	5
7		10	5	3	3	3	3	3	3	6	5	3	3	3	3	4	4	5	5	5	5	5	5	3	4	3
8		2	2	1	1	1	1	2	2	2	2	2	2	3	3	3	2	3	3	3	3	4	4	5	4	3
9		7	7	7	4	4	4	3	3	2	2	2	2	3	3	3	3	3	3	3	4	5	7	5	5	4
10		4	4	3	3	3	4	5	5	7	6	5	5	6	6	7	7	7	8	8	8	7	7	8	9	6
11		6	6	6	5	5	6	9	9	8	7	6	5	5	-	-	4	4	4	4	5	4	3	3	2	5
12		2	2	2	3	3	3	5	5	5	5	5	4	6	5	4	4	4	4	6	8	4	4	5	8	4
13		4	4	3	2	3	2	3	3	3	2	3	3	3	3	3	3	4	3	3	3	3	4	3	3	3
14		3	4	3	3	3	3	4	4	5	1	-	-	4	4	5	5	6	5	6	5	4	4	6	4	4
15		6	4	2	2	2	2	2	1	1	1	2	2	2	2	2	1	1	1	3	3	4	6	7	6	3
16		8	8	6	5	4	2	1	1	1	1	1	1	1	2	2	1	1	1	2	6	11	15	5	4	4
17		5	4	3	2	2	2	2	4	3	-	-	3	1	1	1	2	2	2	3	4	4	7	12	3	3
18		6	3	2	3	5	5	5	4	3	2	3	2	3	3	3	3	4	3	4	3	2	2	2	3	3
19		2	2	3	2	2	3	5	8	8	9	6	6	5	6	5	5	7	6	6	6	3	3	4	4	5
20		3	3	2	2	2	1	2	2	4	3	4	6	3	4	3	4	4	4	3	2	2	2	2	2	3
21		1	1	4	1	1	2	3	4	4	3	4	3	3	3	3	3	3	3	3	3	4	4	4	5	3
22		6	5	4	4	4	6	4	4	1	2	2	3	2	2	2	2	2	4	4	7	11	15	16	17	5
23		16	11	14	10	10	11	9	7	6	6	5	5	6	5	5	6	5	5	5	8	9	13	11	7	8
24		5	7	5	5	4	4	6	7	7	6	6	8	8	3	3	4	5	3	4	6	5	7	5	4	5
25		3	3	4	4	5	3	4	5	5	5	4	3	3	4	3	3	3	3	4	5	5	5	4	4	4
26		4	4	3	3	3	3	4	4	4	3	3	3	3	3	3	-	3	3	5	7	7	7	7	4	4
27		7	4	3	3	3	3	5	7	7	6	6	3	4	2	2	3	4	3	3	4	3	3	4	3	4
28		2	2	2	2	2	2	4	4	5	5	-	3	3	2	2	4	4	3	4	7	10	9	7	8	4
29		8	12	17	19	15	5	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	3	5
30		2	4	2	2	2	2	1	1	1	1	1	2	1	1	1	1	1	1	1	2	1	2	1	1	1
MEAN		5	4	4	4	4	3	4	4	4	4	4	4	4	3	3	4	4	4	4	5	5	6	5	6	4



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY, LONDON															MONTH - MAY 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	2	4	3	2	2	2	2	2	2	2	2	3	2	2	2	4	3	2	3	2
2	3	3	3	3	3	5	6	5	3	3	3	3	2	2	2	2	3	2	2	2	3	4	4	2	3
3	2	2	1	2	3	5	6	4	2	2	2	2	2	2	2	3	2	2	2	2	4	6	4	2	3
4	2	2	3	3	3	3	3	2	2	2	2	2	2	-	-	3	3	2	2	2	2	2	2	2	2
5	1	1	1	2	3	3	3	5	5	5	-	-	4	4	4	5	6	6	6	6	6	5	6	3	4
6	4	4	3	2	2	3	4	5	5	3	3	4	4	4	4	5	4	4	4	4	4	8	13	16	5
7	8	5	4	5	7	9	8	7	5	5	2	1	1	1	1	3	3	1	2	2	4	2	3	3	4
8	2	2	2	2	2	3	4	6	6	6	5	5	5	5	6	6	6	6	7	7	7	7	9	7	5
9	7	5	6	7	5	6	13	10	7	6	4	3	3	3	3	3	3	3	3	2	2	2	2	1	5
10	1	1	1	1	1	1	3	3	3	3	3	3	3	-	-	3	3	3	3	5	10	11	9	6	4
11	3	2	3	3	3	4	6	7	6	4	5	5	5	4	4	5	6	6	8	7	7	7	5	4	5
12	3	4	4	5	5	7	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****
13	- DATA UNAVAILABLE -														- DATA UNAVAILABLE -										
14	- DATA UNAVAILABLE -														- DATA UNAVAILABLE -										
15	- DATA UNAVAILABLE -														- DATA UNAVAILABLE -										
16	- DATA UNAVAILABLE -														- DATA UNAVAILABLE -										
17	- DATA UNAVAILABLE -														- DATA UNAVAILABLE -										
18	- DATA UNAVAILABLE -														- DATA UNAVAILABLE -										
19	- DATA UNAVAILABLE -														- DATA UNAVAILABLE -										
20	- DATA UNAVAILABLE -														- DATA UNAVAILABLE -										
21	- DATA UNAVAILABLE -														- DATA UNAVAILABLE -										
22	- DATA UNAVAILABLE -														- DATA UNAVAILABLE -										
23	- DATA UNAVAILABLE -														- DATA UNAVAILABLE -										
24	- DATA UNAVAILABLE -														- DATA UNAVAILABLE -										
25	- DATA UNAVAILABLE -														- DATA UNAVAILABLE -										
26	- DATA UNAVAILABLE -														- DATA UNAVAILABLE -										
27	- DATA UNAVAILABLE -														- DATA UNAVAILABLE -										
28	- DATA UNAVAILABLE -														- DATA UNAVAILABLE -										
29	- DATA UNAVAILABLE -														- DATA UNAVAILABLE -										
30	- DATA UNAVAILABLE -														- DATA UNAVAILABLE -										
31	- DATA UNAVAILABLE -														- DATA UNAVAILABLE -										
MEAN	3	3	3	3	3	4	6	5	4	4	3	3	3	3	3	4	4	3	4	4	5	5	5	4	3.8

PERCENTAGE OF DATA VALID - 35.6 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 64.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY, LONDON															MONTH - JUL 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	- DATA UNAVAILABLE -																								
2	- DATA UNAVAILABLE -																								
3	- DATA UNAVAILABLE -																								
4	- DATA UNAVAILABLE -																								
5	- DATA UNAVAILABLE -																								
6	- DATA UNAVAILABLE -																								
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	3	3	3	3	3	3	3	3	*****
8	3	4	3	3	3	4	4	4	3	3	3	3	2	2	2	2	2	2	3	2	3	2	2	2	3
9	3	1	1	1	1	1	1	1	1	2	1	2	2	2	3	3	3	3	3	4	4	5	5	4	2
10	3	2	2	1	1	2	2	2	2	2	2	2	1	1	2	1	2	1	0	2	2	2	2	2	2
11	1	1	0	0	1	2	3	3	2	2	2	2	2	2	2	2	2	2	2	3	3	3	4	8	2
12	12	10	7	6	14	16	17	6	3	3	3	3	1	1	2	3	3	3	3	3	4	4	5	3	6
13	1	1	1	1	3	4	6	5	4	4	3	2	3	3	4	4	4	3	5	5	5	5	3	4	4
14	4	4	3	2	2	2	3	3	2	2	2	2	1	1	2	2	2	1	2	2	4	6	12	18	4
15	17	13	7	7	5	7	3	2	2	2	2	2	1	1	1	1	1	2	3	3	3	3	1	1	4
16	2	1	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	2	2	3	3	4	5	6	2
17	1	1	1	1	1	2	3	2	2	1	1	1	1	1	1	1	1	2	2	2	3	3	2	1	4
18	6	6	7	8	11	15	14	9	3	3	3	3	3	3	3	2	2	2	2	2	2	3	3	2	5
19	3	1	3	4	4	6	8	7	5	4	3	3	3	4	4	5	4	4	5	5	5	4	4	4	4
20	3	2	3	3	4	5	6	6	4	4	3	3	3	3	3	4	3	3	3	4	5	5	4	4	4
21	4	3	5	5	3	4	4	5	8	6	5	5	5	-	-	3	3	3	5	6	6	6	6	6	5
22	6	5	5	6	9	7	8	8	7	7	8	7	8	8	8	7	6	6	6	5	5	5	4	7	7
23	4	3	3	3	4	4	4	3	3	4	3	3	3	3	2	2	2	2	2	2	3	2	2	3	3
24	3	1	1	1	2	3	7	7	4	2	-	1	2	1	1	2	2	1	1	2	5	8	12	8	3
25	5	4	4	2	4	6	7	9	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	4	4
26	4	3	3	4	5	5	8	6	6	6	7	6	6	-	-	-	7	6	6	5	3	3	3	3	5
27	4	2	2	2	2	2	3	4	-	3	4	4	4	5	5	6	5	4	5	5	4	2	2	2	4
28	2	0	0	0	0	2	2	2	2	1	1	1	2	-	-	1	1	1	1	3	4	7	5	2	2
29	2	1	1	1	1	3	3	1	2	3	3	3	3	3	3	3	2	2	2	2	3	1	2	2	2
30	2	3	2	2	2	2	2	1	2	0	0	0	1	1	1	1	1	1	1	2	2	2	2	2	1
31	2	2	2	2	3	3	4	4	2	1	1	1	1	1	1	2	2	1	2	4	5	4	3	2	2
MEAN	4	3	3	3	3	4	5	5	3	3	3	3	3	2	3	3	3	3	3	3	4	4	4	4	3.3



POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 15001															MONTH - NOV 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	7	8	11	5	3	3	9	13	15	13	5	4	4	5	5	7	11	16	23	17	11	11	12	9	9
2	5	5	4	4	3	5	8	13	11	10	7	6	6	7	6	7	10	16	19	19	15	19	22	35	11
3	34	34	25	24	29	23	25	42	51	43	22	9	7	7	-	10	11	14	22	20	13	12	12	8	22
4	7	10	8	7	8	10	14	15	22	15	12	10	12	7	6	6	13	22	25	23	25	27	31	25	15
5	38	24	16	14	7	7	6	11	12	10	8	7	9	7	7	7	8	8	9	6	6	6	6	5	10
6	3	2	2	2	3	3	3	4	5	6	6	3	3	3	3	3	5	4	4	4	4	3	4	4	4
7	3	2	2	1	1	1	3	4	5	2	2	2	2	2	2	2	4	9	9	8	8	8	8	7	4
8	6	7	7	9	11	17	26	34	44	13	6	6	5	5	5	6	10	9	14	12	7	6	6	4	11
9	2	2	2	2	2	4	5	8	7	5	6	5	5	7	7	8	9	12	16	24	22	22	25	20	9
10	24	21	11	9	10	11	16	30	23	17	11	8	7	6	7	-	12	13	16	15	12	14	24	17	15
11	14	16	14	13	16	11	7	7	7	8	8	8	12	7	6	6	6	6	5	4	3	3	2	2	8
12	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	4	3	3	3	2	2	2	1	1	2
13	1	1	1	1	1	1	2	3	4	4	5	5	6	6	7	7	7	7	10	8	7	8	10	6	5
14	5	3	2	2	3	3	4	5	6	4	5	3	3	-	3	3	3	3	3	2	2	2	2	2	3
15	2	2	1	1	2	2	2	4	7	6	3	3	2	2	2	4	4	6	17	23	16	24	33	21	8
16	14	9	3	2	2	4	7	15	17	5	1	2	2	2	4	-	4	5	7	4	4	4	3	3	5
17	2	2	2	2	2	2	2	4	6	5	4	4	4	4	4	4	5	8	5	5	6	4	3	2	3
18	2	2	2	2	1	1	2	2	2	2	1	1	2	2	2	2	2	3	8	11	14	13	18	25	5
19	3	2	2	2	2	2	2	1	1	1	2	2	2	2	2	2	2	3	8	11	14	13	18	25	5
20	12	10	8	1	1	1	1	2	2	2	2	2	2	2	-	-	2	3	2	2	3	2	2	2	3
21	2	2	2	2	2	2	3	4	3	2	2	2	2	2	3	4	6	6	2	2	2	3	3	2	3
22	3	2	2	2	2	2	3	4	4	4	5	4	4	4	4	5	6	5	5	4	5	4	6	6	4
23	6	5	4	3	4	4	5	7	8	6	7	6	7	7	7	8	9	8	7	7	6	6	5	5	6
24	5	4	4	4	4	4	4	4	5	6	4	4	4	4	-	-	5	4	3	4	3	3	2	2	4
25	2	2	2	2	2	2	2	2	3	3	4	3	3	4	5	4	5	4	4	4	4	2	2	2	3
26	2	2	2	1	1	1	1	2	1	2	1	1	2	3	3	4	3	3	3	3	3	2	2	2	2
27	1	1	1	1	1	1	2	2	2	2	2	2	2	2	-	4	5	5	6	6	6	6	6	7	3
28	8	6	5	4	4	5	6	7	7	7	6	7	6	5	5	6	7	6	7	6	6	6	6	8	6
29	5	4	4	4	5	5	9	18	25	18	10	8	5	3	5	7	8	8	10	8	5	4	4	-	8
30	2	2	1	1	1	1	1	2	3	3	4	4	4	4	4	5	7	7	8	13	12	10	10	7	5
MEAN	7	6	5	4	4	5	6	9	10	7	5	5	5	4	5	5	7	8	9	9	8	8	9	8	8.7

PERCENTAGE OF DATA VALID - 98.6

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 1.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 15001															MONTH - DEC 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	4	4	4	4	4	7	13	13	10	9	9	9	-	11	13	18	10	9	9	9	8	5	3	8
2	3	2	2	2	1	2	3	4	4	4	5	5	5	4	4	4	5	8	6	9	8	7	7	4	5
3	5	5	3	2	2	2	2	2	2	2	3	4	4	6	9	12	14	12	5	5	5	4	4	4	5
4	5	4	4	5	4	4	4	4	4	5	4	4	5	-	5	5	7	6	6	7	4	4	5	4	5
5	3	3	3	3	3	3	3	6	7	5	6	6	5	6	6	6	7	7	6	6	7	5	6	6	5
6	6	7	7	7	7	7	10	11	14	9	9	8	7	7	7	7	9	10	9	8	7	7	6	5	8
7	2	2	2	2	2	2	4	5	5	5	5	6	6	-	6	7	8	8	8	10	10	10	15	22	7
8	11	8	8	9	8	6	5	6	7	5	6	5	5	5	6	6	5	5	5	6	6	5	5	4	6
9	3	2	2	2	2	2	2	2	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
10	3	3	2	2	2	2	2	2	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
11	4	5	6	4	4	5	8	8	8	8	-	7	7	8	10	12	11	10	10	8	5	5	5	5	7
12	4	4	4	3	3	3	4	7	8	6	6	6	7	5	5	7	7	6	6	6	6	6	5	3	5
13	3	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.....
14	-	-	-	-	-	-	-	-	-	-	5	5	5	-	-	7	8	6	6	6	6	6	6	7	*****
15	8	10	8	7	9	8	7	10	10	9	8	7	7	8	7	9	10	11	14	9	6	4	5	5	8
16	4	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	3	3	3	3	3	3	3	3	2
17	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	2	2	2	2	2	2	4	6	8	10	7	6	7	6	5	6	4	4	4	5	3	2	2	2	3
19	3	2	2	2	2	2	4	4	4	5	-	4	4	3	3	3	4	4	4	4	4	4	4	4	3
20	4	4	4	4	4	-	-	4	4	4	4	4	5	5	6	6	6	6	6	7	8	9	11	8	6
21	5	4	4	4	4	3	3	3	3	3	3	3	3	3	4	6	7	5	7	4	4	4	5	5	4
22	5	4	4	4	7	7	8	9	8	-	6	6	6	6	6	6	7	6	6	8	5	4	4	4	6
23	3	3	4	3	3	4	5	6	6	7	5	5	5	5	5	7	8	10	10	14	14	13	8	8	7
24	7	7	6	6	5	4	5	5	5	6	7	7	6	5	6	7	8	8	8	10	9	10	7	9	7
25	9	9	9	7	5	5	5	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	4
26	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	5	4	4	4	4	4	4	4
27	3	3	3	3	3	3	4	4	4	4	4	3	3	3	3	4	5	4	4	4	3	3	4	4	4
28	4	3	3	3	3	3	4	7	8	-	-	6	4	-	5	5	7	10	7	12	9	10	7	8	6
29	7	7	8	7	5	5	5	4	4	5	4	4	5	4	4	4	5	5	5	5	5	4	4	5	8
30	4	3	3	3	3	5	5	5	5	6	7	8	9	8	9	11	16	15	14	13	12	8	8	9	8
31	9	8	7	7	8	8	9	11	10	10	9	9	11	11	9	11	10	9	8	8	9	8	7	6	9
MEAN	5	4	4	4	4	4	5	6	6	5	5	5	5	5	6	7	7	7	7	7	6	6	6	5	5.5

PERCENTAGE OF DATA VALID - 90.7

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 9.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY, LONDON

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	5.3	12	38
FEB	28	6.2	13	38
MAR	31	5.3	16	40
APR	30	4.1	8	19
MAY	11	3.8	5	16
JUN	DATA UNAVAILABLE			
JUL	24	3.3	7	18
AUG	7	3.1	4	11
SEP	DATA UNAVAILABLE			
OCT	11	6.5	8	19
NOV	30	6.7	22	51
DEC	28	5.5	9	22
YEAR	231	5.2	22	51

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY, LONDON

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	449	202	71	2	3	0	0	727
FEB	395	185	55	18	5	0	0	658
MAR	472	206	35	9	2	0	0	724
APR	564	122	23	0	0	0	0	709
MAY	212	49	4	0	0	0	0	265
JUN	DATA UNAVAILABLE							
JUL	498	65	12	0	0	0	0	575
AUG	159	16	1	0	0	0	0	176
SEP	DATA UNAVAILABLE							
OCT	110	125	32	0	0	0	0	267
NOV	416	177	74	32	7	3	1	710
DEC	400	243	31	1	0	0	0	675
YEAR	3675	1390	338	62	17	3	1	5486

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
74.9	0	1.1	2.4	3.6	5.3	9.0	12.2	16.8	23.0	51	5.2

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - WC NO 22071												EXPERIMENTAL FARM SIMCOE													
MONTH - JAN 78												MONTH - JAN 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1												- DATA UNAVAILABLE -													
2												- DATA UNAVAILABLE -													
3												- DATA UNAVAILABLE -													
4												- DATA UNAVAILABLE -													
5												- DATA UNAVAILABLE -													
6												- DATA UNAVAILABLE -													
7												- DATA UNAVAILABLE -													
8												- DATA UNAVAILABLE -													
9												- DATA UNAVAILABLE -													
10												- DATA UNAVAILABLE -													
11												- DATA UNAVAILABLE -													
12												- DATA UNAVAILABLE -													
13												- DATA UNAVAILABLE -													
14												- DATA UNAVAILABLE -													
15												- DATA UNAVAILABLE -													
16												- DATA UNAVAILABLE -													
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2	2	2	2	2	2	1	1	*****
18	2	2	2	2	2	2	1	1	2	2	2	2	1	2	2	2	2	2	2	2	3	3	3	3	2
19	3	3	3	3	3	3	3	3	3	3	3	2	-	-	-	4	4	6	8	9	9	10	9	5	
20	6	2	2	2	2	2	2	2	2	2	2	2	5	5	5	5	5	5	4	3	4	4	3	3	3
21	2	2	2	2	2	2	2	2	2	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	*****
22	5	5	4	3	3	3	4	4	5	4	4	4	5	5	5	4	4	4	3	3	4	4	4	4	4
23	5	5	5	5	5	5	5	6	6	6	6	6	4	5	5	4	5	6	6	6	6	6	6	6	5
24	5	5	5	5	5	6	6	7	7	7	6	6	6	5	5	4	5	4	3	3	4	5	5	4	5
25	3	3	3	3	3	3	3	3	4	5	4	4	4	4	5	8	6	5	5	4	3	3	3	4	4
26	4	3	3	2	3	3	3	3	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	2
27	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
28	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
29	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2
30	2	2	2	2	2	2	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****
31	-	-	-	-	-	-	-	-	-	-	4	4	4	4	4	5	4	3	3	3	3	3	3	3	3 *****
MEAN	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	3	3	3	3	4	4	3	3.2

PERCENTAGE OF DATA VALID - 40.9

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 59.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - WC NO 22071												EXPERIMENTAL FARM SIMCOE													
MONTH - FEB 78												MONTH - FEB 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	3	3	2	2	2	3	3	3	2	2	2	2	2	2	2	3	3	3	2	3	3	3	4	3
2	4	3	3	3	3	3	4	7	7	6	4	3	4	5	5	5	5	5	6	5	2	2	2	2	4
3	2	2	2	2	2	2	2	2	3	2	2	3	3	3	2	3	3	4	3	2	2	2	2	2	2
4	2	3	3	3	3	3	3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	3	4	4	4	3	3	2	2	3	2	2	3	3	3	3	1	1	2	1	2	2	2	2	2	2
10	2	2	1	2	2	2	2	2	1	1	-	1	1	1	2	2	2	3	3	4	5	4	3	3	2
11	3	3	3	3	3	3	3	3	3	3	3	4	3	3	3	2	1	1	1	2	3	2	2	2	3
12	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	2	2	1
13	2	2	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	3	3	3	2	2
14	3	3	3	3	2	2	2	2	1	2	2	2	2	2	1	1	1	2	2	2	2	2	2	2	2
15	3	3	6	4	4	4	5	7	5	4	4	3	3	2	3	2	4	4	5	6	6	4	3	4	4
16	3	3	3	3	4	4	4	4	4	3	3	3	2	2	2	2	3	3	4	3	3	3	3	3	3
17	3	3	2	3	3	4	4	4	4	4	3	3	2	2	2	2	3	3	4	4	5	4	5	3	3
18	4	3	3	3	2	3	3	3	3	4	4	3	2	2	2	3	4	4	3	3	3	3	3	3	3
19	3	2	2	3	3	3	3	2	2	2	3	3	2	2	2	2	2	2	3	5	5	5	5	5	3
20	4	4	3	4	4	3	4	4	6	5	4	-	3	3	3	3	2	3	3	3	3	3	3	3	3
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MEAN	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	3	3	3	3	3	3	3	2.7

PERCENTAGE OF DATA VALID - 56.0

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 44.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION														
STATION - WC NO 22071 EXPERIMENTAL FARM SIMCOE												MONTH - MAR 78														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1																										
2																										
3																										
4																										
5																										
6																										
7	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	3	2	2	2	1	1	1	1	*****
8	2	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
9	2	2	3	3	3	3	3	3	3	5	3	2	2	2	2	2	2	2	3	3	3	3	2	2	3	3
10	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	4	3	3	4	4	3	3	3	3	3	3
11	2	3	3	3	2	3	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
12	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
13	3	2	2	2	2	2	2	2	2	2	-	-	1	2	2	2	2	2	3	3	2	2	2	2	2	2
14	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2
15	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	3	3	3	3	2	2
16	2	2	2	2	3	3	3	3	2	3	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
17	2	2	2	2	2	2	2	2	2	2	2	-	-	-	-	2	2	2	3	3	3	2	2	2	2	2
18	3	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	
19	1	1	1	1	1	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
20	2	2	2	2	2	2	3	3	3	3	2	2	3	3	3	4	4	4	4	5	4	4	4	5	3	3
21	3	3	3	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4
22	2	2	2	2	2	2	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	2	2	3	3	3	5	2	*****	*****	*****
24	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2
25	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	2	2
26	3	3	3	3	2	2	3	2	3	3	3	3	2	3	3	3	3	3	3	4	4	3	3	3	3	3
27	4	4	3	3	3	3	3	3	3	4	3	3	3	3	3	2	3	3	3	3	2	2	2	2	2	2
28	2	3	3	3	3	3	3	2	3	3	-	3	1	1	1	1	2	2	2	2	2	3	2	2	1	2
29	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	1	1	1	1	1	1	1	1	1	2	3	2	2	2	2	3	3	3	3	3	3	3	2	2	2
31	2	2	2	3	2	3	3	4	4	4	-	3	2	3	3	3	4	3	3	3	3	3	3	3	3	3
MEAN	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2.4

PERCENTAGE OF DATA VALID - 76.6

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 23.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT											UNITS - 0.01 PARTS/MILLION													
		STATION - WC NO 22071 EXPERIMENTAL FARM SIMCOE											MONTH - APR 78													
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		3	3	3	3	2	2	2	2	3	3	3	2	3	2	2	2	2	2	2	2	2	2	2	2	2
2		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	2	2
3		2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	3	3	3	4	3	3	3	3	2
4		3	3	3	3	3	3	3	3	4	4	4	5	4	4	3	3	3	5	4	4	4	3	3	2	3
5		2	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	4	3	4	2
6		5	4	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3
7		3	3	3	3	3	3	3	4	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****
8													- DATA UNAVAILABLE -													
9													- DATA UNAVAILABLE -													
10													- DATA UNAVAILABLE -													
11													- DATA UNAVAILABLE -													
12													- DATA UNAVAILABLE -													
13													- DATA UNAVAILABLE -													
14													- DATA UNAVAILABLE -													
15													- DATA UNAVAILABLE -													
16													- DATA UNAVAILABLE -													
17		-	-	-	-	-	-	-	-	-	-	0	1	1	1	1	1	1	1	1	1	2	2	1	2	*****
18		1	2	2	2	4	2	3	2	3	4	3	1	1	1	1	2	2	2	2	1	1	1	2	1	2
19		2	1	1	1	1	1	1	1	1	1	1	1	3	4	6	5	2	2	3	2	1	1	1	2	2
20		2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
21		1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1
23		2	3	4	3	3	3	3	2	2	2	2	1	2	3	1	2	1	1	2	3	1	1	1	2	2
24		1	1	2	2	5	6	4	5	4	3	2	4	2	2	1	1	2	2	1	2	2	1	1	2	2
25		2	2	3	5	5	4	4	2	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
26		1	1	1	2	5	5	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	3	2	2
27		2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1
28		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29		1	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1.8

PERCENTAGE OF DATA VALID - 66.5

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 33.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - WC NO 22071												MONTH - JUL 78													
STATION -	WC NO 22071	EXPERIMENTAL FARM SIMCOE																							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	3	3	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	2
2	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
3	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	2	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1
5	2	2	2	2	2	3	3	-	3	1	1	1	1	1	1	1	1	1	1	3	4	3	3	3	2
6	3	3	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2
7	1	1	1	1	3	3	3	3	2	2	2	1	1	1	1	1	1	1	1	1	2	2	2	1	2
8	1	1	1	1	1	2	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	0	0	0	1	1	2	2	2	2	2	3	2	2	2	2	1
10	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	2	2	1	2	2	0	0	0	0	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2	2
13	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	2	2	2	1	1
14	2	2	2	2	2	2	2	2	2	1	1	1	1	2	2	2	2	2	2	1	1	1	1	2	2
15	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2
16	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	2	2	1	1	1	1
17	1	1	1	1	1	2	2	2	2	2	1	0	2	2	2	2	2	2	1	1	2	2	2	2	2
18	1	1	1	1	1	1	2	2	3	2	2	2	1	2	2	1	1	1	1	1	2	2	2	1	2
19	1	1	1	1	1	1	2	2	2	2	1	2	1	1	1	1	1	1	1	2	2	2	3	2	1
20	2	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	2	3	2	3	3	2
21	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	2	2	1	0	1	2	2	2	2	2	2	3	1	1	1	1	1	1
25	1	1	1	1	1	1	2	2	2	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	0	1	1	1	1	1	1	1	2	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1
28	0	1	1	0	0	1	2	2	2	1	0	0	-	-	1	1	1	1	1	1	2	2	1	1	1
29	2	3	2	2	2	2	3	1	1	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	1	1	2	2	1	2	2	2	2	1	2	1	1	1	1	2	2	1	1	1	1	1	1
31	2	2	2	2	2	3	3	3	2	2	2	2	1	2	2	1	1	1	1	1	2	2	1	1	2
MEAN	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1.4

PERCENTAGE OF DATA VALID - 99.5

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION																			
STATION - WC NO 22071															EXPERIMENTAL FARM SIMCOE										MONTH - AUG 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN									
1	1	2	2	2	2	3	4	3	2	-	1	2	1	1	1	1	1	1	1	2	2	2	2	2	2									
2	2	2	2	1	1	1	3	3	2	2	3	1	1	1	2	1	1	1	1	2	2	1	1	1	2									
3	2	2	2	1	1	1	2	3	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
4	1	1	1	1	2	1	2	2	2	2	2	1	0	2	2	1	1	1	1	1	2	2	2	1	1									
5	1	1	2	1	1	1	2	3	2	2	2	2	1	1	1	1	1	2	2	2	2	2	2	1	2									
6	2	2	2	2	2	1	2	1	2	1	1	1	1	1	1	2	2	1	1	2	3	3	2	2	2									
7	1	1	1	1	2	2	2	3	3	3	3	3	2	2	2	2	2	1	1	1	1	1	1	1	2									
8	1	1	1	1	1	1	1	1	1	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2									
9	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2									
10	1	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	3	2	2	2	2									
11	1	2	1	1	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	3	2	2	4	4	2									
12	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2	2									
13	1	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2									
14	2	2	2	2	2	2	4	3	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2									
15	2	2	2	2	2	2	3	3	-	3	2	2	1	1	2	1	1	2	2	2	2	3	2	2	2									
16	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	2	1	1	1	1	1									
17	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
18	1	1	1	2	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1	2	1	1	1	1									
19	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	0	0	0	1									
20	1	1	1	1	1	1	1	1	1	0	0	1	0	1	1	1	1	2	1	1	2	1	1	1	1									
21	1	1	1	1	1	1	1	4	3	2	2	1	1	1	2	1	2	2	2	2	2	1	1	2	2									
22	3	2	2	1	1	1	2	2	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1									
23	1	1	1	1	1	1	3	3	3	1	2	1	1	1	2	1	1	1	1	2	2	2	1	1	2									
24	2	2	2	2	2	2	2	2	2	2	2	1	2	1	2	1	1	1	1	1	1	1	1	1	2									
25	1	1	1	1	1	1	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2									
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1									
27	1	1	1	2	2	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
28	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1									
29	1	1	1	2	1	1	1	1	1	3	2	1	1	1	1	1	0	0	0	1	1	1	1	1	1									
30	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	2	1	3	2	2	2	2	2	1									
31	2	2	2	2	1	1	1	2	3	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2									
MEAN	1	1	1	1	1	1	2	2	2	2	2	2	2	1	2	1	1	1	1	2	2	2	2	1	1.6									

PERCENTAGE OF DATA VALID - 99.5

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - WC NO 22071												EXPERIMENTAL FARM SIMCOE													
MONTH - SEP 78												MONTH - SEP 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	2	3	3	3	2	1	3	3	3	2	1	1	2	2	5	2	1	2
2	1	2	2	1	1	4	2	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	3	2	1	1	1	1	1	1	2
6	1	1	1	1	1	1	3	3	2	3	3	2	1	1	1	1	1	1	1	2	1	1	1	1	2
7	1	1	1	1	1	1	1	2	2	1	1	2	3	3	2	2	2	2	2	2	1	1	1	1	2
8	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	3	3	3	3	2	2
9	3	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	-	-	-	1
11	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	*****
12	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	2	2	1	0	1	1	1	1
13	1	0	0	0	0	0	0	0	0	2	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	2	1	1	1	1	2	2	1	2	1	2	1	1	1	1	2	1	1	1	1	1
15	1	1	1	1	0	1	2	2	1	1	1	2	1	1	1	1	1	1	1	1	2	1	1	1	1
16	1	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1
19	1	1	1	3	4	2	3	3	2	2	2	2	3	3	3	3	1	1	1	1	1	1	1	1	2
20	1	1	1	1	1	1	1	2	2	3	2	2	1	2	2	1	1	1	1	1	1	1	1	1	1
21	1	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
22	2	2	2	1	2	2	2	2	2	2	2	2	3	2	2	2	2	3	3	3	3	2	2	3	2
23	2	2	2	2	2	2	3	2	2	2	2	2	2	3	2	6	6	3	1	2	3	2	2	3	3
24	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	3	3	2	1	1	1	2
25	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	2	2	2	2	3	2	2	2	2
26	3	2	2	2	2	3	3	2	3	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	3
27	3	3	3	3	3	3	3	3	3	3	4	2	3	3	2	2	2	2	3	3	3	2	2	3	2
28	0	0	0	0	0	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2
29	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	6	7	4	3	1	5	3	1	1	3
30	3	2	2	2	2	2	2	2	2	2	3	3	3	3	2	2	2	3	2	1	2	2	2	2	2
MEAN	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1.6

PERCENTAGE OF DATA VALID - 97.6

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 2.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - WC NO 22071														EXPERIMENTAL FARM SIMCOE											
MONTH - OCT 78														MONTH - OCT 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2
2	1	1	1	1	1	1	2	2	2	3	3	2	2	2	2	2	3	3	3	4	4	3	3	3	2
3	3	2	2	2	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	2	2	2	1	*****
5	1	2	1	1	1	2	3	3	2	2	3	4	2	2	2	2	2	1	1	1	2	2	1	1	2
6	1	1	1	1	1	1	1	1	2	2	2	1	2	2	1	1	1	1	1	1	1	0	0	1	1
7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0
8	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
9	1	1	1	1	1	1	1	1	2	2	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1
10	1	2	2	1	2	1	2	2	3	3	3	3	3	2	3	3	3	4	3	5	3	3	2	1	3
11	1	1	2	2	2	3	5	5	3	4	3	4	4	3	4	4	5	3	3	2	3	2	2	2	3
12	1	2	1	1	1	1	1	1	1	2	2	1	1	2	2	2	2	2	2	1	2	2	1	3	2
13	1	1	1	1	1	3	3	3	3	2	2	3	3	3	3	3	4	4	3	3	1	1	1	1	2
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2
16	2	2	4	5	4	1	1	3	3	2	4	3	4	2	2	2	3	2	4	4	3	4	2	2	3
17	2	2	2	2	2	2	2	3	3	2	4	3	3	3	3	3	4	3	4	5	5	4	4	4	4
18	2	2	4	4	4	4	4	5	4	3	3	3	3	3	3	2	3	2	2	2	2	1	1	1	3
19	3	4	4	4	4	4	4	4	3	3	3	2	2	2	2	2	3	2	2	2	2	3	2	2	2
20	1	1	1	1	1	1	3	3	3	2	2	2	2	2	2	2	3	2	3	2	2	3	2	2	2
21	2	2	2	2	2	2	3	4	3	3	3	3	4	4	4	3	4	4	3	2	2	2	3	2	3
22	2	2	2	2	2	2	2	2	2	2	3	3	3	2	3	3	3	3	2	2	2	2	2	2	2
23	2	2	1	1	1	1	1	2	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	4	2	2	1	1	1	1	1	1	2	2	3	1	1	2	1	2	1	1
25	1	1	2	2	2	3	3	3	3	3	3	3	3	2	2	2	2	2	2	1	1	1	1	1	2
26	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	2	3	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1
30	3	2	1	1	1	1	2	2	1	-	-	2	2	2	2	2	3	4	4	4	3	2	1	1	2
31	2	2	3	3	3	3	4	4	4	4	3	3	3	4	3	2	1	1	1	1	1	1	1	1	2
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1.6



MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22071 EXPERIMENTAL FARM SIMCOE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	11	3.2	5	10
FEB	15	2.7	4	7
MAR	23	2.4	4	5
APR	19	1.8	3	6
MAY	22	1.2	2	5
JUN	15	1.8	3	5
JUL	31	1.4	2	4
AUG	31	1.6	2	4
SEP	29	1.6	3	7
OCT	29	1.8	4	5
NOV	30	2.4	5	9
DEC	31	2.3	5	8
YEAR	286	1.9	5	10

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22071 EXPERIMENTAL FARM SIMCOE

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	275	29	0	0	0	0	0	304
FEB	367	9	0	0	0	0	0	376
MAR	570	0	0	0	0	0	0	570
APR	477	2	0	0	0	0	0	479
MAY	531	0	0	0	0	0	0	531
JUN	352	0	0	0	0	0	0	352
JUL	740	0	0	0	0	0	0	740
AUG	740	0	0	0	0	0	0	740
SEP	699	4	0	0	0	0	0	703
OCT	711	0	0	0	0	0	0	711
NOV	696	22	0	0	0	0	0	718
DEC	714	26	0	0	0	0	0	740
YEAR	6872	92	0	0	0	0	0	6964

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
79.5	0	0.2	0.7	1.2	1.8	2.9	3.7	4.7	5.3	10	1.9



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - WC NO 22086 CHEAPSIDE RD.3 KM S OF HWY 3, NANTICOKE														MONTH - JUL 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	2	2	1	1	2	2	1	1	0	0	0	0	1	2	2	2	1	
2	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
3	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	1	0
5	1	1	1	2	3	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
10	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	-	-	-	-	0	0	0	0	0	0	1	1	1	1	0
12	1	1	1	1	1	2	1	0	0	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1
13	0	0	1	1	1	1	1	1	4	4	4	2	1	4	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	2	1	1	1	1
17	1	1	1	1	1	1	1	2	2	2	1	1	0	1	2	4	10	4	1	1	0	0	0	0	2
18	1	1	1	1	1	1	1	2	1	-	1	1	1	1	1	1	1	0	1	1	1	1	0	0	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1
24	1	1	1	1	1	1	3	1	1	1	1	1	0	0	0	1	1	0	0	1	1	1	1	1	1
25	1	1	1	1	1	1	2	1	1	5	0	1	3	2	1	1	1	1	1	1	3	3	3	3	2
26	1	1	1	1	1	1	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	0	0	0	0	0	0	1	1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	1	1	1	0	0	1	1	1	1	1	2	1	1	1	1	1	1	1	1	0	0	0	0	0	1
30	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
31	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - WC NO 22086 CHEAPSIDE RD.3 KM S OF HWY 3, NANTICOKE													MONTH - AUG 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	3	1	1	5	6	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	12	4	1	1	1	1	1	1	1	2
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	2	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1
7	1	1	1	2	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	2	2	2	1	1	1
8	1	1	1	1	1	1	1	1	-	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	2	5	3	2	-	-	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1
12	2	2	1	1	1	2	1	1	1	1	0	0	1	1	1	1	1	1	1	2	1	2	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	3	1	2	-	2	1	9	6	1	1	1	1	1	1	1	1	1	1	2
16	1	1	1	1	2	1	1	1	2	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
18	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	1	1	2	1	1	0	1
21	1	2	2	2	2	2	2	1	2	1	0	0	1	3	6	5	4	1	1	2	1	2	2	2	2
22	2	1	1	1	1	2	3	2	1	1	1	1	3	2	2	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	2	3	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	2	2	1	1	1	1	1	1
26	1	1	1	2	1	2	4	2	1	2	1	1	1	1	1	1	2	1	1	1	1	2	1	1	1
27	1	2	2	3	3	3	2	2	2	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	1	1	1	2	0
30	1	1	1	1	1	1	5	2	1	1	1	1	6	7	5	2	1	1	1	1	1	1	1	1	2
31	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	1
MEAN	1	1	1	1	1	1	2	1	1	1	1	1	2	2	1	2	1	1	1	1	1	1	1	1	1.2

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 22086															CHEAPSIDE RD.3 KM S OF HWY 3, NANTICOKE										
															MONTH - NOV 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	4	2	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	0	0	0	1	2	2	1	1	-	1	2	2	2	2	2	2	2	2	2	2	1	1	1
3	1	1	1	1	1	1	1	2	2	1	2	2	4	3	3	3	3	4	3	2	2	2	2	2	2
4	2	1	1	1	1	1	1	1	2	2	3	3	4	3	2	2	2	2	2	2	2	2	1	1	2
5	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	2	2	1	1	1	1
6	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	0	2	2	2	1	1	1	2	-	1	1	2	2	1	1	1
8	1	1	1	0	0	0	-	-	-	-	1	2	5	3	1	1	1	1	1	1	2	1	1	1	1
9	2	2	1	1	1	1	1	1	1	1	1	1	1	-	1	2	2	2	2	2	2	2	2	2	1
10	2	3	3	3	3	4	4	4	4	3	4	5	5	5	5	4	4	3	5	5	5	4	4	4	3
11	4	4	5	5	4	4	4	4	4	4	2	2	2	2	1	1	2	3	2	3	2	2	3	2	3
12	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	3	2	2	2	3	3	2	1
14	2	2	3	4	2	2	2	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	2	2	2	2	*****
16	-	-	-	-	-	-	-	-	1	2	2	2	1	2	1	1	2	1	1	1	2	2	1	2	2
17	2	2	2	2	2	2	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	0	0	0	0	1	1	1	1	1	1
19	1	1	1	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1
20	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	1	2	1	1	1	0	0	1	0	0	1	1	1	-	-	1	1	1	1	2	1	1	1
22	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	2	2	3	3	3	2	2	2
23	3	2	2	2	2	2	2	2	2	2	2	4	3	3	3	4	2	2	2	2	3	3	3	3	2
24	4	4	4	4	3	4	4	4	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2
25	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	1	1	0	0
26	1	1	2	1	2	2	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
27	2	1	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	6	5	2	2
28	5	5	3	2	2	2	3	2	1	1	-	-	2	1	1	1	1	1	1	1	1	1	1	1	2
29	2	2	2	2	2	2	1	1	3	2	2	6	3	7	4	2	3	3	3	3	8	2	2	2	3
30	2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1
MEAN	2	2	2	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	2	2	2	2	2	1.5

PERCENTAGE OF DATA VALID - 91.1

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 8.9

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 22086															CHEAPSIDE RD.3 KM S OF HWY 3, NANTICOKE										
															MONTH - DEC 78										
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
DAY																									
1	1	1	1	2	1	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	3	3	4	2
2	4	1	1	1	0	0	0	0	0	1	1	0	0	1	1	1	1	2	1	1	2	2	2	2	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	3	2	2	1	1	
4	1	2	2	1	1	1	2	2	3	2	1	1	1	1	1	1	1	1	0	0	0	1	1	1	
5	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6	1	2	2	2	2	2	2	3	3	3	-	-	-	2	2	-	-	-	-	-	-	-	-	*****	
7	- DATA UNAVAILABLE -																								
8	- DATA UNAVAILABLE -																								
9	- DATA UNAVAILABLE -																								
10	- DATA UNAVAILABLE -																								
11	- DATA UNAVAILABLE -																								
12	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	2	3	2	6	5	12	11	7	*****
13	4	3	3	3	3	3	3	2	2	3	3	3	4	2	2	2	2	2	2	2	2	2	2	2	2
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1
15	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
16	4	4	4	4	4	4	4	4	4	7	11	7	8	9	5	5	6	5	5	7	12	11	5	4	6
17	5	6	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2
18	2	2	1	1	2	2	2	3	3	3	3	3	3	3	2	2	3	2	2	1	1	2	2	2	2
19	2	2	1	1	1	1	1	1	1	1	-	1	1	1	1	1	1	2	2	2	2	1	1	1	1
20	2	4	4	6	7	6	7	5	5	4	5	5	6	6	6	6	7	7	6	6	6	6	7	8	6
21	8	6	6	5	4	4	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	4	2
22	4	4	4	4	3	4	4	3	2	5	5	8	11	3	4	3	3	3	2	2	2	3	3	2	4
23	2	1	1	1	1	1	1	1	2	1	2	1	2	3	3	2	2	2	2	2	2	2	2	2	2
24	2	2	2	3	2	2	2	2	2	2	3	3	3	3	2	3	3	3	3	3	3	3	3	3	2
25	3	3	3	3	4	4	4	4	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	2	2	1	1	1	1	2	1	1	1	1	1	1	2	1	1	2	1	1	1	1	0	0	1
27	0	2	2	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	0	0	4	3
28	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	2	4	3	4	4	4	4	5
29	6	7	7	6	7	7	6	7	6	6	2	3	5	5	7	7	4	4	6	4	4	5	4	4	5
30	4	4	5	5	5	5	5	5	6	6	5	5	3	4	4	4	4	4	6	6	6	6	7	7	5
31	7	8	8	8	7	7	5	5	5	4	4	3	4	3	4	3	3	3	4	3	3	3	2	3	5
MEAN	3	3	3	3	3	3	3	2	2	2	3	2	3	2	2	2	2	3	2	3	3	3	3	3	2.6

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22086 CHEAPSIDE RD.3 KM S OF HWY 3, NANTICOKE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	18	2.2	4	11
FEB		DATA UNAVAILABLE		
MAR		DATA UNAVAILABLE		
APR		DATA UNAVAILABLE		
MAY		DATA UNAVAILABLE		
JUN	2	0.7	1	2
JUL	31	0.8	2	10
AUG	31	1.2	2	12
SEP	30	0.9	2	4
OCT	31	1.1	4	7
NOV	27	1.5	4	8
DEC	24	2.6	6	12
YEAR	194	1.4	6	12

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22086 CHEAPSIDE RD.3 KM S OF HWY 3, NANTICOKE

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	418	23	1	0	0	0	0	442
FEB		DATA UNAVAILABLE						
MAR		DATA UNAVAILABLE						
APR		DATA UNAVAILABLE						
MAY		DATA UNAVAILABLE						
JUN	61	0	0	0	0	0	0	61
JUL	737	1	0	0	0	0	0	738
AUG	731	6	1	0	0	0	0	738
SEP	716	0	0	0	0	0	0	716
OCT	728	5	0	0	0	0	0	733
NOV	652	4	0	0	0	0	0	656
DEC	534	56	6	0	0	0	0	596
YEAR	4577	95	8	0	0	0	0	4680

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
79.6	0	0.0	0.2	0.6	1.0	2.5	3.6	5.2	6.4	12	1.4



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - WC NO 29008 NORTH PARK HAMILTON														MONTH - JAN 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	2	2	3	2	3	5	5	5	2
2	3	5	3	1	1	1	6	7	8	11	14	15	15	16	11	12	13	12	10	10	10	9	7	9	9
3	8	7	7	8	8	11	14	20	20	18	18	17	16	15	16	14	19	17	13	12	13	15	14	14	14
4	11	12	12	12	14	15	20	34	27	24	24	23	22	24	23	20	22	23	18	15	15	14	14	16	19
5	15	9	10	14	15	20	25	8	11	38	58	52	38	-	-	10	10	-	-	-	-	13	19	25	22
6	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	.....
7	1	1	1	2	3	4	3	3	4	3	2	2	2	2	10	5	2	2	4	8	10	11	8	12	4
8	11	9	9	9	8	6	3	3	7	11	10	10	12	16	20	22	19	19	16	14	14	11	9	10	12
9	6	3	3	3	3	3	7	10	12	12	12	12	12	6	10	11	12	13	10	9	5	4	5	6	8
10	6	4	3	4	4	3	3	4	5	5	4	4	4	4	6	7	10	10	7	5	4	4	5	5	5
11	5	6	6	7	6	7	11	15	16	16	15	16	18	18	18	18	21	18	16	13	12	14	11	10	13
12	11	11	9	10	9	14	21	29	-	-	30	29	25	22	27	30	30	28	26	27	31	27	28	36	23
13	22	10	20	8	6	6	3	2	2	2	2	2	2	3	3	3	3	3	3	3	2	1	1	1	5
14	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	2
15	4	4	5	2	2	1	4	9	11	10	9	8	9	10	10	11	11	11	12	11	11	11	13	13	8
16	10	7	8	8	8	10	17	26	32	30	27	25	19	22	23	23	25	27	21	18	17	17	19	19	19
17	19	12	13	18	17	3	3	5	6	8	12	9	6	5	2	2	2	1	1	1	1	1	1	1	2
18	2	3	2	2	1	1	2	2	2	3	2	3	2	14	32	19	6	6	7	9	26	32	37	36	10
19	22	17	13	13	14	17	43	65	72	76	56	9	6	3	3	3	6	8	10	9	9	9	7	2	21
20	1	1	1	1	1	1	1	1	1	1	1	-	6	6	6	5	5	4	4	4	3	2	2	2	3
21	1	1	1	1	2	4	8	12	12	13	15	23	16	15	14	15	13	13	13	12	14	11	11	10	10
22	8	6	9	7	5	4	11	12	10	12	12	12	14	15	16	16	16	15	16	14	14	14	13	15	12
23	13	11	14	13	14	15	22	29	29	27	29	29	24	25	27	28	31	35	27	22	18	16	17	18	22
24	16	12	13	13	13	13	19	28	35	33	30	30	33	31	33	37	34	30	23	17	15	16	17	19	23
25	18	15	12	13	16	16	39	52	20	9	13	15	15	11	8	5	5	3	3	2	3	2	3	2	13
26	3	3	3	5	4	4	3	13	12	9	8	5	3	2	1	1	1	1	2	2	4	6	5	-	4
27	-	3	3	3	6	7	6	8	8	10	10	8	8	9	9	9	10	10	8	11	11	10	9	11	8
28	11	10	6	5	7	11	11	11	12	14	16	11	14	13	13	14	17	19	16	17	12	9	4	12	9
29	1	1	3	5	4	3	5	5	5	7	8	9	11	12	13	12	12	11	12	13	18	15	15	14	9
30	10	7	7	12	10	12	18	28	46	26	20	19	17	17	20	22	25	23	19	15	12	13	11	14	18
31	13	11	10	11	11	12	20	27	28	26	22	22	21	25	24	24	24	23	22	18	17	14	13	11	19
MEAN	9	7	7	7	7	8	12	16	16	16	16	14	13	12	13	13	13	13	12	11	11	11	11	12	11.5

PERCENTAGE OF DATA VALID - 97.0 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 3.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - WC NO 29008 NORTH PARK HAMILTON														MONTH - FEB 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	12	10	12	12	11	12	17	23	24	21	21	18	15	16	18	17	22	21	17	17	15	15	16	17	17
2	15	12	10	11	13	21	35	48	49	53	56	36	35	31	31	33	25	31	35	18	16	17	16	17	28
3	11	15	17	18	17	12	25	45	38	47	43	6	2	2	3	36	40	37	21	5	5	18	14	8	20
4	14	13	11	9	7	7	14	22	26	10	3	3	4	4	4	6	5	10	20	24	38	10	26	26	13
5	27	27	22	15	14	8	4	6	2	8	3	2	1	1	2	1	3	5	5	2	2	2	2	2	7
6	2	2	1	1	1	1	1	2	2	2	2	2	4	1	2	3	2	2	2	2	1	1	1	1	2
7	1	1	2	3	0	1	1	3	6	7	6	1	4	12	3	3	2	6	20	9	2	3	3	3	4
8	3	3	3	3	12	14	3	3	6	31	7	6	5	4	4	13	26	8	15	24	59	52	49	44	17
9	43	32	22	23	22	33	43	33	45	43	45	43	39	21	30	31	-	-	22	22	17	16	14	13	30
10	13	11	9	8	8	10	17	25	30	37	24	24	23	23	25	24	20	19	20	18	16	17	17	15	19
11	15	14	14	12	9	6	10	12	12	13	15	17	16	14	14	14	11	12	10	12	11	12	12	12	12
12	10	10	8	7	8	6	8	10	8	9	12	11	11	12	12	14	14	12	14	13	16	15	17	11	11
13	15	13	12	7	8	11	10	4	-	5	4	1	2	1	2	1	2	2	1	4	5	4	3	3	5
14	3	3	3	3	3	2	2	3	8	13	7	6	6	3	2	1	2	2	5	15	34	19	17	18	8
15	13	10	10	9	8	11	18	33	39	34	38	31	23	26	30	30	30	29	29	23	30	24	26	26	24
16	17	19	16	11	12	15	23	33	29	27	27	24	21	21	23	21	26	31	37	26	20	17	15	15	22
17	12	10	9	8	8	9	15	21	25	23	21	21	17	16	16	16	19	19	20	21	19	18	18	26	17
18	16	18	9	8	7	9	12	15	20	19	17	14	11	13	12	12	13	14	14	12	14	12	11	12	13
19	12	10	8	6	4	3	4	5	5	6	9	10	13	12	12	13	13	15	18	22	23	23	20	19	12
20	19	14	12	10	9	7	13	26	33	26	28	32	27	17	21	26	30	28	26	25	19	16	14	13	20
21	11	9	8	6	7	8	15	25	25	25	26	27	31	32	6	3	3	27	29	13	20	25	19	15	17
22	9	7	6	4	5	11	21	26	20	16	17	17	14	14	15	17	17	13	9	9	11	14	12	13	13
23	13	12	12	11	11	11	20	31	39	-	26	23	21	19	19	21	21	20	19	15	14	12	13	12	18
24	12	13	12	11	7	11	15	21	23	19	16	18	16	17	20	22	23	22	18	17	19	15	13	18	17
25	13	5	8	5	2	2	2	1	2	2	2	1	1	2	4	4	5	6	25	18	17	16	10	10	7
26	10	9	7	4	2	3	4	4	5	5	8	9	10	11	10	13	11	12	11	11	12	11	11	9	8
27	10	5	4	3	4	6	15	23	23	21	21	19	16	17	16	18	20	19	19	22	15	12	12	12	15
28	13	11	7	7	6	9	17	27	30	27	27	22	22	26	30	6	4	5	6	6	34	21	24	31	17
MEAN	13	11	10	8	8	9	13	19	21	20	19	16	15	14	14	15	15	16	18	15	18	16	15	15	14.7

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION																			
STATION - WC NO 29008															NORTH PARK HAMILTON										MONTH - MAR 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN									
1	24	17	10	7	7	11	23	25	32	29	29	11	2	6	24	17	35	30	18	14	12	12	9	8	17									
2	9	10	10	8	6	7	15	22	28	23	22	24	18	19	20	23	27	20	16	18	17	17	17	20	17									
3	15	22	14	4	5	6	2	1	1	1	1	1	1	1	1	3	5	4	4	5	5	18	13	9	6									
4	8	7	5	4	3	3	5	6	10	9	11	10	11	9	10	8	9	8	9	10	11	10	7	12	8									
5	10	9	8	5	5	6	11	8	7	9	8	8	8	10	11	12	13	12	14	13	14	15	15	13	10									
6	11	12	6	6	6	9	16	21	23	26	33	-	-	-	22	21	23	20	19	13	16	15	11	11	16									
7	9	6	5	6	11	14	18	34	41	41	26	3	3	2	2	2	2	4	3	2	2	2	2	2	10									
8	2	2	2	2	3	3	4	27	7	9	8	1	1	1	1	1	1	1	1	1	8	12	29	36	7									
9	20	17	13	11	14	14	24	35	39	48	33	24	21	23	21	30	26	25	23	20	18	16	14	16	23									
10	10	8	6	6	8	9	13	27	37	9	7	9	12	7	6	5	4	4	10	46	30	32	28	27	15									
11	20	15	12	9	7	8	9	14	16	17	18	19	23	22	26	19	22	23	17	17	15	10	11	6	16									
12	5	6	10	8	7	4	6	10	14	12	2	2	2	2	2	2	2	2	4	12	16	14	36	31	9									
13	14	14	16	14	14	21	34	52	21	11	8	4	3	2	2	3	3	2	2	2	2	1	2	2	10									
14	1	1	2	2	1	1	7	7	24	17	14	15	14	15	15	15	16	16	12	10	11	12	12	11	10									
15	8	5	4	3	3	5	13	18	23	18	16	15	14	14	16	18	25	21	15	14	11	10	9	9	13									
16	8	10	7	7	3	1	5	3	3	3	3	2	2	1	1	1	1	1	1	1	1	1	1	1	5									
17	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	2	6	21	22	17	11	11	10	5									
18	7	7	6	5	5	7	11	15	12	16	14	13	14	12	13	12	13	16	16	14	10	9	9	9	11									
19	8	8	6	6	9	8	7	8	8	8	8	7	8	8	9	8	8	10	11	11	13	13	11	9	9									
20	11	8	6	6	6	5	3	3	3	7	24	25	14	-	2	2	2	1	1	1	1	1	1	2	6									
21	2	2	5	5	6	11	17	23	27	23	22	22	22	20	20	21	20	17	15	10	8	8	8	8	14									
22	7	5	5	5	6	6	13	19	19	22	18	22	22	20	25	28	31	25	20	16	17	18	18	15	17									
23	9	7	5	5	7	7	17	23	22	19	19	20	17	17	18	23	17	20	21	17	15	20	17	15	16									
24	8	7	6	3	1	0	0	0	0	1	1	1	1	1	1	1	2	2	2	2	3	3	3	3	2									
25	3	2	3	3	2	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	0	0	1	1									
26	1	1	1	1	1	1	-	-	-	-	-	-	-	1	2	2	2	1	1	1	1	1	1	1	1									
27	1	1	1	1	2	3	2	3	4	7	8	8	26	29	37	33	31	22	17	14	14	11	10	9	12									
28	6	8	10	10	9	10	15	19	21	18	17	18	15	17	18	21	23	24	23	22	18	16	17	13	16									
29	14	10	7	5	5	9	15	22	23	18	19	16	13	16	18	21	21	18	15	14	11	9	9	10	14									
30	8	7	6	5	4	7	12	23	26	27	17	18	18	18	18	18	19	20	17	18	18	17	16	16	16									
31	14	12	13	7	14	13	30	45	-	35	27	30	25	5	3	4	4	3	2	2	2	2	2	2	13									
MEAN	9	8	7	5	6	7	12	17	17	16	15	12	11	10	12	12	13	12	11	12	11	11	11	11	11.1									

PERCENTAGE OF DATA VALID - 98.4

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - WC NO 29008						NORTH PARK HAMILTON						MONTH - APR 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	3	5	5	3	5	8	8	9	12	10	9	9	9	8	7	8	7	8	7	6	5	4	6	7
2	6	4	2	2	1	1	2	2	1	1	1	1	3	2	2	2	2	2	2	2	1	1	1	5	2
3	3	2	1	1	1	1	1	1	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	1	1
4	1	1	3	2	1	1	1	2	2	2	1	1	1	2	2	2	2	2	4	20	21	11	13	10	5
5	7	5	5	4	5	6	13	20	17	17	19	19	17	16	19	21	26	31	26	26	28	26	18	23	17
6	13	10	12	8	4	4	6	9	8	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	4
7	1	8	8	5	5	5	12	15	19	16	19	-	-	-	-	-	-	-	-	-	-	-	-	-	*****
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MEAN	5	5	5	4	3	3	6	8	8	7	8	5	6	5	6	6	7	7	7	10	10	8	6	8	6.3

PERCENTAGE OF DATA VALID - 21.5

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 78.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - WC NO 29008 NORTH PARK HAMILTON														MONTH - MAY 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	-	-	-	-	-	-	-	-	16	17	15	14	14	-	-	-	-	-	-	-	-	-	-	-	*****
2	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	3	3	3	2	2	13	14	9	8	6
3	5	5	5	5	7	14	18	24	4	3	3	3	3	3	3	3	3	2	2	2	4	16	9	6	6
4	4	3	2	2	2	1	2	2	2	2	2	2	2	2	1	2	2	2	2	2	1	1	1	1	2
5	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	2	1	1	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	8	14	21	11	4
7	10	9	6	6	7	9	13	11	15	9	3	3	3	3	3	3	2	2	2	2	2	2	1	2	5
8	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	3	8	9	10	10	9	13	11	4
9	10	10	10	10	11	18	22	-	-	16	14	15	14	14	14	16	14	15	12	14	12	14	11	9	13
10	10	11	9	6	7	14	18	17	15	16	18	16	16	16	16	18	16	14	10	12	14	22	18	21	15
11	16	10	10	14	14	34	41	9	3	2	9	19	17	18	19	21	22	17	3	2	2	2	2	2	13
12	1	1	1	1	2	3	3	2	2	2	2	2	2	3	13	16	15	16	13	14	11	3	3	3	6
13	3	2	2	2	2	1	1	1	2	2	2	2	3	3	5	2	7	7	2	3	17	5	2	1	3
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	27	23	18	11
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	3	2	2	2	2	2	1	2
17	-	-	-	-	-	-	-	5	4	1	1	1	1	1	1	-	-	-	-	-	29	22	22	19	*****
18	1	1	1	1	13	22	29	33	35	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	14	28	40	48	43	28	-	-	-	-	-	-	-	-	33	37	31	-	-	-	*****
20	- DATA UNAVAILABLE -																								
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	25	-	-	*****
22	-	-	-	-	-	-	-	10	16	-	-	-	2	-	-	-	2	2	-	-	29	28	31	26	*****
23	-	-	-	-	-	-	-	-	-	4	4	3	3	3	3	3	2	2	2	2	2	2	2	2	4
24	2	2	2	2	5	9	5	5	5	5	3	2	2	2	2	2	3	3	3	9	7	21	27	-	13
25	8	9	25	-	-	24	30	32	-	-	-	4	4	4	4	4	4	3	3	32	35	25	23	22	18
26	-	-	14	-	-	35	38	39	-	-	8	5	4	4	4	4	4	3	3	3	3	3	3	3	5
27	-	-	18	15	11	5	6	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	2
28	3	2	2	2	2	3	2	2	2	2	5	4	4	3	3	3	3	3	3	3	4	5	5	3	3
29	2	2	2	2	2	3	2	-	-	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	2
30	3	3	3	3	3	5	11	21	6	3	2	3	4	4	4	4	4	4	4	4	4	4	4	4	2
31	3	9	-	8	10	17	20	20	20	23	19	15	16	16	18	20	21	22	17	18	18	17	16	12	16
MEAN	4	4	5	5	5	9	13	13	10	7	5	5	5	5	5	6	6	5	5	8	11	10	10	7	7.1

PERCENTAGE OF DATA VALID - 78.9 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 21.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

	POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION												
	STATION - WC NO 29008 NORTH PARK HAMILTON												MONTH - JUN 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	11	11	12	11	9	17	16	-	-	24	-	-	-	22	-	-	3	-	-	-	-	-	-	-	*****
2	-	6	13	12	-	20	26	28	24	24	22	22	22	23	22	22	22	21	22	21	18	17	18	16	20
3	-	-	5	4	-	-	-	-	9	21	-	-	12	15	16	-	-	17	19	22	18	-	-	-	*****
4	11	-	-	5	6	-	-	10	-	5	-	-	-	15	14	16	-	17	19	22	18	-	-	-	*****
5	8	-	-	-	7	10	15	17	16	16	18	16	-	15	22	25	24	22	17	15	14	15	10	16	16
6	9	8	6	12	16	23	33	14	15	22	22	16	6	21	20	21	22	21	15	17	21	16	20	17	17
7	16	7	5	6	3	3	4	4	4	4	3	3	3	3	3	3	3	2	5	5	7	5	7	4	5
8	2	2	3	3	10	15	22	22	20	18	20	20	21	23	24	30	26	21	18	16	18	16	10	11	16
9	8	5	5	6	11	19	25	21	22	20	20	16	17	16	16	17	17	17	18	17	15	14	14	5	15
10	6	10	9	9	8	9	7	6	4	4	4	4	4	3	3	3	2	2	3	3	3	4	13	8	5
11	7	6	7	7	7	8	9	9	11	12	12	12	12	12	12	11	12	14	16	18	19	17	14	12	12
12	9	8	8	10	13	19	21	-	-	18	19	17	13	18	19	19	23	24	15	14	13	10	10	6	15
13	4	4	4	5	8	13	20	19	19	19	14	16	17	20	18	14	19	14	11	10	9	7	5	12	14
14	4	4	5	5	6	13	22	25	23	15	17	19	17	17	16	21	19	16	11	13	14	13	9	14	14
15	6	5	6	7	10	15	22	25	24	23	20	17	16	18	23	26	27	21	17	10	17	15	16	17	17
16	11	14	4	9	5	3	6	7	3	3	3	3	2	3	2	3	3	2	2	2	3	2	2	2	4
17	1	1	1	1	1	1	2	1	1	1	1	2	3	14	11	12	13	14	14	12	11	11	13	12	6
18	11	9	7	7	6	9	10	12	12	14	15	16	17	17	16	15	16	17	20	17	23	24	24	17	15
19	10	10	8	10	11	20	26	17	-	23	25	22	-	-	-	-	-	20	-	-	-	18	-	-	*****
20	-	-	-	11	-	-	-	-	-	-	3	3	3	3	2	2	2	2	2	2	4	6	7	7	*****
21	4	4	11	11	4	4	13	7	10	7	4	4	5	17	17	19	19	13	12	11	14	14	13	11	10
22	9	7	6	7	8	14	21	23	20	16	15	15	17	17	17	18	18	18	17	15	14	13	13	11	14
23	8	8	6	7	12	20	29	4	2	7	6	2	3	3	3	3	3	3	3	3	3	4	6	4	6
24	3	3	2	2	2	3	4	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4
25	12	11	6	6	6	11	13	5	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	5
26	5	6	3	2	2	2	3	-	-	22	21	19	18	16	16	18	26	14	14	12	15	11	10	11	12
27	14	9	10	13	13	25	26	24	22	22	18	14	12	17	17	18	20	17	16	17	19	23	21	15	18
28	12	9	9	8	9	14	21	22	20	22	21	23	23	25	25	23	27	27	25	27	26	25	18	20	20
29	18	15	18	16	17	23	26	26	25	27	27	25	29	29	29	27	29	28	29	30	31	32	26	17	25
30	17	13	10	6	6	6	7	7	6	5	3	3	3	3	2	3	3	3	3	2	2	-	-	-	5
MEAN	9	8	7	8	8	13	17	14	13	14	13	12	11	14	14	15	15	14	13	13	14	14	13	11	12.3

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

HOUR DAY	POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT										UNITS - 0.01 PARTS/MILLION														
	STATION - WC NO 29008 NORTH PARK HAMILTON										MONTH - JUL 78														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	7	21	17	*****
2	7	4	4	5	3	-	-	-	-	-	-	1	2	2	2	2	3	2	2	2	2	1	-	-	3
3	-	-	-	-	-	-	-	-	-	-	-	1	2	2	2	2	2	1	1	1	2	1	-	-	*****
4	1	2	2	2	2	2	2	2	2	2	1	2	1	2	2	2	2	2	2	2	3	14	22	15	19
5	12	11	10	9	14	30	28	31	31	9	8	7	5	5	4	4	4	4	12	18	21	23	18	13	14
6	13	11	9	13	12	22	29	30	27	26	24	23	-	21	21	20	18	15	14	16	17	17	16	14	19
7	11	12	12	13	14	22	28	27	28	28	25	22	23	22	21	21	21	20	19	20	19	17	16	14	20
8	10	9	7	7	9	10	12	14	15	16	15	16	16	15	14	15	13	15	15	15	13	12	12	10	13
9	10	9	7	7	7	8	10	12	15	18	19	17	18	8	5	10	15	17	18	16	16	19	17	14	13
10	13	10	9	10	10	17	22	20	19	19	18	18	18	18	19	19	17	17	14	11	11	10	11	8	15
11	8	8	6	6	8	16	27	30	23	4	4	4	3	3	18	18	20	5	3	3	4	7	6	8	10
12	9	10	5	6	8	17	22	23	25	28	-	20	14	23	24	25	23	25	17	14	15	20	17	15	18
13	11	11	10	11	15	21	29	25	21	24	25	24	20	19	19	19	19	18	17	13	14	16	19	13	18
14	15	13	12	10	9	17	31	31	13	8	9	9	7	8	8	8	7	7	7	6	6	9	8	6	11
15	10	14	11	11	10	16	19	20	18	9	13	16	20	19	20	19	18	16	15	15	15	12	8	15	15
16	10	10	8	5	4	5	6	3	9	4	2	2	3	3	2	2	2	2	2	2	2	3	-	-	4
17	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	10	11	7	9	5	*****
18	-	-	-	-	-	11	16	22	32	26	9	-	-	-	-	-	-	14	16	13	9	11	13	15	13
19	10	9	8	9	11	16	19	23	22	25	26	20	-	-	17	18	17	20	21	17	19	26	19	17	18
20	18	14	11	11	13	22	28	26	26	24	25	22	22	21	21	20	19	16	15	11	12	14	15	13	18
21	8	7	7	9	11	16	13	4	3	9	4	5	4	-	-	6	6	7	7	6	15	16	16	14	9
22	11	8	7	7	10	14	15	17	20	22	15	15	15	14	14	14	16	15	15	14	11	12	10	9	13
23	9	8	7	6	5	6	6	7	10	10	11	11	12	13	14	16	11	3	3	4	4	3	3	8	8
24	3	3	2	3	18	16	6	3	3	3	2	2	-	3	4	4	4	4	4	5	5	5	6	6	5
25	8	8	8	9	10	10	13	13	12	10	9	10	9	9	10	10	10	11	11	12	20	21	21	20	12
26	20	17	16	15	16	20	24	26	23	24	22	22	22	22	21	20	20	18	16	13	14	17	17	14	19
27	10	11	10	10	12	16	21	23	22	21	21	20	21	21	23	25	20	24	21	15	14	13	14	11	17
28	10	9	8	8	10	15	25	15	5	5	5	5	5	5	5	4	4	4	6	18	18	14	14	10	10
29	14	12	13	9	11	13	16	14	17	17	17	17	18	19	19	18	17	16	17	14	10	6	5	5	14
30	4	5	4	4	3	5	3	3	3	3	3	3	2	2	2	2	2	3	3	3	2	4	3	3	3
31	3	4	4	4	5	5	5	3	3	-	2	2	2	3	3	3	3	3	3	3	8	12	25	16	5
MEAN	10	9	8	8	10	15	18	17	16	15	13	12	11	12	12	12	12	12	11	10	11	12	13	11	12.1

PERCENTAGE OF DATA VALID - 89.7 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 10.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

HOUR DAY	POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT										UNITS - 0.01 PARTS/MILLION														
	STATION - WC NO 29008 NORTH PARK HAMILTON										MONTH - AUG 78														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	11	9	9	12	13	11	15	28	9	15	25	20	19	19	21	22	19	18	18	11	4	4	8	9	15
2	8	8	7	7	6	7	11	16	8	7	4	18	18	18	19	17	17	17	18	19	14	12	15	14	13
3	12	11	11	11	13	19	25	24	8	8	8	7	8	7	6	6	5	7	6	5	8	4	5	4	10
4	3	3	2	2	7	18	25	27	25	3	2	2	15	20	22	24	23	20	25	23	16	16	16	13	15
5	13	9	8	9	10	13	21	12	5	5	4	5	7	7	5	4	4	3	3	3	3	8	6	8	10
6	13	8	5	6	6	9	11	16	6	4	3	3	4	2	3	3	3	3	3	3	3	3	6	8	7
7	11	6	5	6	4	4	4	4	5	5	4	5	6	4	4	3	2	3	3	3	3	3	3	3	4
8	3	5	9	5	8	17	22	19	19	19	19	21	-	17	18	18	17	14	13	11	12	11	10	9	14
9	8	7	8	7	9	14	16	17	18	19	19	17	19	20	17	22	23	26	20	17	17	16	15	12	16
10	8	5	4	5	9	21	25	3	3	2	3	3	3	2	2	2	2	2	2	2	6	6	2	4	5
11	9	5	3	2	4	6	10	10	9	6	7	4	3	2	3	3	2	2	2	2	3	3	4	16	5
12	13	11	8	8	6	14	20	22	19	6	3	2	3	3	2	2	2	6	17	23	19	19	16	12	11
13	11	12	5	5	5	7	8	13	18	22	24	20	20	14	16	17	16	16	15	16	19	17	12	14	14
14	10	8	7	8	9	18	23	27	32	23	10	8	7	4	4	4	4	12	17	21	22	23	20	14	14
15	10	9	6	9	7	4	6	4	3	-	-	3	9	14	14	13	14	17	5	6	8	16	8	14	9
16	8	8	9	9	12	19	21	21	19	16	18	14	13	14	16	16	16	15	14	14	12	14	15	13	14
17	13	10	10	9	12	15	20	20	17	16	17	14	12	12	14	16	15	19	20	16	13	14	13	9	14
18	12	9	9	7	18	19	16	6	6	6	5	5	6	5	4	4	4	4	4	4	4	5	5	6	7
19	9	7	6	7	7	14	14	16	17	20	18	16	17	14	15	15	13	15	13	13	13	11	13	12	13
20	8	5	4	2	4	5	8	6	2	2	2	2	2	2	2	2	2	2	3	3	10	9	6	3	4
21	4	3	2	2	5	24	27	16	8	5	3	5	-	4	3	3	3	3	3	3	3	5	15	16	7
22	13	14	11	14	13	15	11	8	6	6	6	5	5	4	4	4	4	4	4	17	17	16	16	11	10
23	10	8	8	8	14	27	30	31	14	5	5	6	6	5	5	9	13	12	19	18	18	18	14	13	13
24	11	9	7	9	13	17	23	24	23	23	22	22	22	16	8	7	8	7	6	5	4	4	4	6	4
25	2	2	2	3	3	4	6	7	7	5	4	2	2	3	3	3	4	4	3	4	5	3	4	6	4
26	8	5	7	5	3	4	8	11	4	2	2	2	1	1	1	1	1	1	1	2	3	11	15	10	8
27	4	3	3	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	3	13	17	16	15	15	17	17	18	18	15	16	16	13	12	11	10	11	11
29	8	8	10	9	12	17	21	19	17	17	15	15	16	16	18	17	18	18	16	16	16	16	14	12	15
30	11	8	7	7	11	31	33	25	26	32	24	24	12	25	26	15	4	16	16	16	17	12	5	4	17
31	3	3	3	2	1	2	3	4	5	5	5	6	3	2	2	1	1	1	2	2	2	7	14	19	4
MEAN	9	7	6	6	8	13	16	15	12	11	10	9	10	10	10	10	9	10	10	10	10	10	10	10	10

	POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION												
	STATION - WC NO 29008					NORTH PARK HAMILTON							MONTH - SEP 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	15	10	9	4	3	7	30	28	3	3	3	2	2	2	2	1	1	1	14	23	19	16	17	14	10
2	14	10	9	9	15	11	13	25	22	17	19	14	15	17	16	15	15	15	17	15	13	15	12	12	15
3	9	9	6	7	7	8	11	14	20	16	13	16	15	6	5	5	8	7	14	6	4	3	3	2	9
4	1	1	1	1	1	1	1	2	1	1	1	2	-	-	-	13	15	14	14	17	15	15	16	8	7
5	10	12	8	10	13	18	23	24	23	26	30	7	7	7	8	6	5	5	11	20	24	18	16	14	14
6	12	12	10	9	13	18	24	27	24	21	19	17	17	16	15	15	19	14	13	13	14	14	12	10	16
7	9	9	9	11	11	15	21	28	19	7	6	6	6	4	4	4	4	4	4	3	2	2	2	1	8
8	1	1	1	2	1	1	2	2	1	1	1	1	1	1	1	1	2	2	6	13	20	20	11	6	4
9	12	9	8	5	7	5	2	3	2	2	1	1	1	1	1	1	1	1	1	2	3	4	2	2	3
10	2	3	2	3	4	9	4	1	1	1	1	2	1	1	4	1	1	1	10	25	10	8	6	6	4
11	7	10	9	7	8	13	18	-	18	19	18	18	18	17	17	16	17	17	16	-	-	11	-	-	14
12	-	-	8	7	5	3	4	4	4	4	3	3	1	1	1	1	1	1	1	1	1	1	1	1	3
13	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1
14	1	1	1	1	1	2	2	2	3	2	8	11	11	9	6	16	8	9	11	7	6	7	8	7	6
15	7	8	8	4	7	16	20	-	15	15	15	16	15	15	16	17	16	16	17	15	12	11	11	11	13
16	8	7	11	10	8	11	15	21	20	22	22	16	17	15	15	15	14	17	18	7	2	2	2	4	12
17	2	2	2	2	2	3	7	13	5	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
18	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	2	2	1	1	1	1	5	14	4	3	4	4	3	1	1	1	1	2	2	2	3	2	3	7	3
20	9	8	11	10	6	13	20	-	10	3	2	2	2	2	2	2	3	3	3	5	3	4	8	5	6
21	7	21	14	10	11	13	22	23	21	22	19	15	17	18	20	24	20	20	18	17	15	4	4	2	16
22	4	4	2	1	1	1	2	2	2	4	4	1	1	1	1	1	-	-	2	3	4	4	4	2	2
23	5	5	6	5	5	14	-	-	-	4	3	3	2	2	2	1	1	1	2	4	4	6	23	23	6
24	23	14	7	8	11	9	14	13	20	17	17	16	17	18	17	16	14	17	21	19	18	16	12	9	15
25	7	4	4	5	9	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MEAN	7	7	6	5	6	8	11	12	11	9	9	7	7	7	7	7	7	7	9	10	8	8	8	7	7.9

PERCENTAGE OF DATA VALID - 78.5 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 21.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 29008 NORTH PARK HAMILTON															MONTH - OCT 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																- DATA UNAVAILABLE -									
2																- DATA UNAVAILABLE -									
3																- DATA UNAVAILABLE -									
4																- DATA UNAVAILABLE -									
5																- DATA UNAVAILABLE -									
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	24	24	23	19	19	11	8	8	*****
7	7	6	5	4	4	11	14	20	17	17	17	17	16	18	17	17	16	17	17	13	10	9	8	8	13
8	9	7	4	3	3	3	4	6	9	15	15	15	18	21	17	17	17	18	21	16	6	10	15	13	12
9	9	7	4	4	6	13	13	17	22	23	21	19	20	18	20	19	18	21	23	22	23	16	15	12	16
10	11	11	10	11	13	19	27	30	-	26	24	26	23	23	26	27	28	27	27	22	22	23	21	16	21
11	18	16	13	6	5	7	-	33	29	20	9	14	32	30	31	37	41	30	18	24	18	16	15	13	21
12	9	8	7	6	8	13	21	27	23	20	20	21	20	21	21	22	25	21	19	14	14	13	14	14	17
13	16	14	15	13	10	20	26	-	10	6	4	4	4	3	4	3	2	3	3	2	2	2	2	2	7
14	2	2	1	2	3	4	1	1	1	2	2	1	2	2	3	4	2	7	9	4	8	9	12	11	4
15	10	4	3	3	3	7	11	16	11	13	14	16	18	21	21	21	21	19	18	19	20	15	16	10	14
16	7	5	5	4	2	3	3	7	7	1	1	1	1	1	1	1	2	1	4	5	6	5	4	3	3
17	5	8	4	4	8	-	-	-	-	-	-	3	2	2	2	2	4	19	21	23	25	25	23	10	10
18	16	14	19	17	21	29	35	27	31	32	27	22	24	26	27	26	25	22	21	18	16	16	18	18	23
19	16	11	10	9	6	8	25	41	34	27	26	22	27	26	26	20	24	23	16	15	16	13	12	11	19
20	8	8	8	7	12	19	28	31	28	25	13	14	19	21	26	24	20	23	22	20	16	13	16	15	18
21	12	10	9	9	10	13	15	15	16	16	16	19	18	16	16	15	15	14	14	12	12	12	13	13	14
22	13	11	10	9	8	10	12	13	14	16	16	16	18	16	17	18	17	19	17	18	19	15	14	12	15
23	10	7	7	5	3	7	4	7	5	7	5	4	3	3	4	4	8	11	10	5	5	12	12	8	7
24	6	7	6	6	7	15	35	41	42	25	21	21	17	20	24	24	24	26	25	17	18	20	15	11	20
25	10	10	10	9	11	19	27	31	24	22	22	21	20	18	20	18	17	15	12	10	10	10	11	10	16
26	8	8	8	9	11	17	21	7	5	4	8	25	26	27	26	26	27	20	22	17	13	13	12	10	15
27	8	6	6	6	9	15	22	28	24	21	21	19	18	23	21	20	18	17	15	16	15	14	14	13	16
28	15	13	12	9	11	10	13	17	19	19	19	19	17	18	16	14	14	15	13	14	11	9	10	10	14
29	9	8	5	3	2	3	3	3	3	3	2	1	1	1	1	1	1	1	1	1	2	2	2	3	3
30	3	2	5	4	12	13	12	9	11	-	5	3	2	6	18	26	33	37	34	36	20	12	12	13	14
31	11	9	9	11	10	10	18	25	26	28	21	25	27	24	22	23	26	25	5	3	4	4	8	13	16
MEAN	10	8	8	7	8	12	17	20	18	17	15	15	16	17	17	17	18	18	16	15	13	12	13	11	14.0

PERCENTAGE OF DATA VALID - 80.8 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 19.2

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT											UNITS - 0.01 PARTS/MILLION														
STATION - WC NO 29008 NORTH PARK HAMILTON											MONTH - NOV 78														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	7	2	2	2	2	1	3	6	6	7	6	4	3	3	3	2	3	21	24	18	13	14	16	17	8
2	13	14	13	12	13	13	16	24	24	22	18	17	19	17	18	22	23	24	25	22	19	21	21	22	19
3	25	21	21	19	14	15	27	35	28	12	12	9	9	12	13	10	8	6	4	4	6	8	14	20	15
4	20	19	15	14	9	8	9	17	20	21	20	20	20	21	16	19	21	16	18	20	16	16	17	17	17
5	16	14	14	9	8	8	8	8	8	8	11	15	15	15	15	15	15	18	17	16	13	12	12	12	12
6	10	10	9	7	7	9	15	21	22	-	21	2	2	2	2	2	2	3	5	6	4	3	2	8	5
7	8	6	3	5	7	10	18	16	4	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	18
8	4	7	9	12	8	13	26	30	-	34	27	22	21	19	21	20	21	21	20	18	15	13	13	12	18
9	11	9	8	8	7	8	13	20	23	22	17	15	17	19	18	21	22	22	19	20	14	16	17	20	16
10	17	15	16	11	9	7	8	7	7	12	12	9	6	4	3	3	3	3	3	3	3	3	3	3	7
11	2	2	2	7	9	12	14	13	16	14	13	15	16	14	14	13	15	17	19	4	2	1	1	1	10
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	3	7	4	8	6	7	8
14	8	10	6	4	5	5	6	10	13	-	13	15	14	11	10	12	12	11	10	9	7	8	9	8	9
15	7	6	5	6	6	8	12	20	21	17	18	21	23	20	21	23	28	28	27	21	19	17	15	20	17
16	16	11	7	7	7	3	2	3	9	6	4	2	2	1	1	1	1	1	1	1	1	1	1	1	4
17	1	2	1	1	1	1	1	1	2	2	2	2	3	4	11	16	15	13	12	10	9	8	7	8	6
18	6	6	6	5	4	4	5	6	8	10	11	11	11	11	11	10	10	11	13	12	10	9	8	9	9
19	9	7	7	5	5	5	6	7	5	3	5	7	8	8	10	9	10	10	11	9	10	12	12	14	8
20	10	6	2	1	1	1	1	1	2	2	2	3	3	3	3	2	3	4	4	4	3	3	3	2	3
21	2	1	2	1	2	2	2	3	3	4	8	5	2	2	1	1	1	1	1	1	1	2	1	1	2
22	1	1	1	1	2	5	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	4	3	2
23	4	4	4	3	3	4	4	3	4	3	3	4	5	11	19	15	15	14	13	13	13	13	13	13	8
24	10	10	7	5	6	9	16	18	17	16	13	13	13	12	12	12	12	14	15	12	10	9	7	7	12
25	6	5	4	3	2	2	4	7	9	11	12	13	7	13	9	2	2	2	1	1	5	3	2	2	5
26	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	2	1	1	1	0	1	1	1	1
27	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	4	3	2	3	1
28	3	4	2	3	7	5	11	21	19	16	17	18	15	13	14	16	17	16	16	12	10	10	12	12	12
29	9	8	8	10	12	11	16	-	-	28	20	17	16	17	16	20	21	21	16	10	10	11	10	9	14
30	8	10	11	8	7	8	9	10	13	12	12	10	10	10	11	12	14	13	12	14	11	13	13	13	11
MEAN	8	7	6	6	5	6	9	11	10	10	10	10	10	10	10	10	11	12	11	9	9	8	9	9	9.0

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - WC NO 29008 NORTH PARK HAMILTON												MONTH - DEC 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	13	9	10	11	11	11	13	19	23	20	22	22	24	19	18	19	22	21	17	19	16	15	13	11	17
2	8	7	5	4	2	3	4	6	10	12	11	11	12	10	10	11	11	9	2	2	2	4	4	4	7
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	2	3	11	13	5	6	13	8	3
4	6	5	6	6	7	9	11	14	17	15	12	13	12	12	13	13	15	13	11	13	12	10	9	10	9
5	8	8	6	5	5	6	10	12	14	15	-	-	16	19	20	21	23	22	21	18	15	13	14	13	14
6	14	14	13	13	13	15	22	32	30	30	22	22	20	21	21	23	26	28	25	18	12	13	14	17	20
7	14	9	4	2	2	2	3	5	5	2	2	2	2	3	3	3	4	5	5	4	5	20	15	5	5
8	7	11	19	13	13	13	19	31	32	29	31	28	27	30	14	5	11	8	11	18	19	14	15	6	18
9	2	2	2	2	3	4	3	3	12	16	18	15	15	14	13	10	11	11	13	13	12	11	9	10	9
10	9	9	9	8	7	6	7	8	7	7	8	10	10	10	11	11	12	14	13	12	13	13	13	13	10
11	12	10	9	8	9	10	15	26	30	25	22	20	20	26	26	37	36	35	24	22	19	16	13	15	20
12	15	14	12	12	12	11	17	21	24	21	20	21	21	20	18	20	27	26	18	16	14	13	11	10	17
13	9	7	8	10	9	10	13	17	-	-	18	20	18	18	17	18	19	19	16	14	11	8	7	7	13
14	6	4	4	4	4	6	11	16	23	19	17	17	16	17	20	20	23	20	18	16	13	12	11	11	14
15	10	9	9	9	10	12	16	19	21	21	18	19	17	17	18	18	21	21	17	16	15	18	17	16	16
16	18	16	15	15	12	12	15	18	17	27	19	18	18	21	20	20	24	34	34	24	15	11	9	12	19
17	15	15	13	3	3	-	-	4	4	-	-	7	8	10	10	-	10	8	8	8	8	9	8	11	9
18	7	-	-	5	5	7	14	25	28	23	22	19	17	20	6	3	4	2	2	9	11	14	13	14	12
19	10	6	5	5	5	8	16	27	32	25	25	23	28	29	36	6	18	39	17	12	4	6	4	5	16
20	5	5	3	2	1	1	1	1	1	-	1	2	2	2	-	2	3	3	3	3	4	4	11	20	4
21	18	13	13	12	11	12	15	15	14	-	12	13	14	13	15	16	20	16	15	15	14	15	14	11	14
22	12	12	9	8	8	-	16	21	31	37	21	19	18	20	22	18	19	17	18	14	16	16	14	13	17
23	10	11	8	9	7	8	10	12	15	15	16	13	13	13	16	17	17	18	24	26	30	31	30	27	17
24	21	16	11	9	5	8	6	-	-	3	3	3	9	6	5	6	5	-	3	-	3	3	3	3	7
25	3	3	2	2	4	3	4	5	6	8	7	6	7	7	7	7	9	8	-	8	10	12	9	-	6
26	8	5	6	5	-	6	8	11	12	14	15	15	18	17	18	17	16	16	15	14	15	13	13	13	13
27	11	10	7	4	6	10	13	17	20	18	19	17	16	13	16	18	18	17	14	14	12	11	12	14	14
28	14	7	9	5	4	8	-	14	19	27	20	4	3	3	6	7	-	17	27	9	6	6	4	4	10
29	15	5	-	-	3	3	10	-	17	6	7	7	3	3	3	3	3	3	3	3	3	3	3	3	5
30	4	4	4	-	4	4	4	8	13	8	6	6	5	-	5	7	7	8	-	8	14	14	18	17	8
31	18	16	15	7	-	-	11	9	10	9	11	12	12	13	14	9	7	6	6	-	6	7	6	10	10
MEAN	10	9	8	7	6	7	11	14	17	16	15	14	14	15	14	13	15	16	14	13	11	11	11	11	12

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29008 NORTH PARK HAMILTON

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	30	11.5	23	76
FEB	28	14.7	30	59
MAR	31	11.1	23	52
APR	6	6.3	17	31
MAY	23	7.1	18	48
JUN	25	12.3	25	33
JUL	27	12.1	20	32
AUG	31	10.0	17	33
SEP	24	7.9	16	30
OCT	25	14.0	23	42
NOV	30	9.0	19	35
DEC	31	12.2	20	39
YEAR	311	11.0	30	76

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29008 NORTH PARK HAMILTON

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	239	134	245	75	20	2	7	722
FEB	145	103	252	114	37	13	4	668
MAR	241	158	220	89	18	5	1	732
APR	98	26	21	8	1	0	0	155
MAY	394	47	94	33	16	3	0	587
JUN	174	106	261	105	3	0	0	649
JUL	168	135	269	90	5	0	0	667
AUG	268	154	260	53	5	0	0	740
SEP	283	90	161	31	0	0	0	565
OCT	124	106	229	123	15	4	0	601
NOV	289	147	220	54	4	0	0	714
DEC	154	157	314	71	15	0	0	711
YEAR	2578	1363	2546	846	129	27	12	7511

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
85.7	0	1.0	3.9	9.3	14.7	21.7	25.8	30.8	35.0	76	11.0

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - WC NO 29025														BARTON/WENTWORTH HAMILTON											
MONTH - JAN 78														MONTH - JAN 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	5	5	3	3	2	2	2	2	2	3	4	3	3	3	3	6	5	2	1	1	1	3	5	3
2	4	3	2	2	2	3	5	6	7	9	5	5	6	5	5	6	6	5	4	4	4	3	4	4	5
3	3	3	3	3	3	4	7	8	9	10	8	8	8	8	9	8	8	9	9	8	8	8	8	7	7
4	7	7	6	5	6	8	11	15	12	10	11	9	10	9	11	12	12	12	9	8	7	10	10	10	9
5	9	9	9	9	9	8	15	18	14	22	16	15	17	11	17	22	27	26	14	22	14	11	12	13	15
6	16	7	3	2	1	1	3	7	8	7	6	6	7	8	8	7	6	6	6	6	6	6	7	6	6
7	7	7	7	8	7	8	8	8	7	9	11	11	11	11	14	16	14	12	12	14	15	14	13	14	11
8	14	14	18	16	24	23	23	24	7	5	5	5	6	7	8	10	11	10	10	9	8	6	5	4	11
9	2	2	2	1	1	0	1	3	4	5	5	5	4	6	5	4	6	5	3	2	2	1	1	1	3
10	2	1	2	2	5	2	1	2	3	3	4	4	4	3	2	2	3	2	2	2	2	2	3	4	3
11	4	2	1	1	1	1	3	5	6	6	6	6	7	9	10	9	11	11	9	7	7	7	7	7	6
12	6	5	3	3	2	6	10	15	18	15	12	12	10	11	12	14	16	17	18	18	17	18	15	13	12
13	13	13	12	9	9	11	14	12	11	-	12	12	13	12	13	13	12	12	12	11	10	11	14	16	12
14	9	8	3	3	2	2	1	1	1	1	2	2	1	2	2	2	2	1	1	1	1	1	1	2	4
15	1	2	4	2	2	3	4	4	4	4	5	4	5	6	6	5	6	6	5	5	5	5	5	5	4
16	4	3	3	3	4	4	8	10	11	11	13	12	10	11	10	12	15	13	11	9	9	9	12	13	9
17	13	12	12	11	12	7	5	7	8	10	13	17	16	14	14	9	7	8	11	16	19	15	13	11	12
18	11	7	4	2	2	2	2	3	5	4	4	3	3	2	2	3	5	8	9	10	21	35	24	32	8
19	32	29	26	23	20	16	25	26	22	30	20	16	8	8	8	8	9	10	11	11	11	10	10	10	17
20	6	4	6	6	8	6	8	10	13	15	10	10	9	7	7	6	4	4	5	4	3	3	2	2	7
21	2	2	1	1	3	3	4	7	5	4	4	4	6	8	8	9	9	9	9	10	10	10	9	10	6
22	7	7	8	7	7	10	8	6	6	6	6	6	7	8	8	8	8	9	8	5	5	8	8	7	11
23	8	8	8	8	8	8	9	13	13	13	12	13	12	12	13	15	18	17	15	12	11	9	9	9	11
24	9	9	9	9	9	9	11	15	19	15	13	15	15	16	16	17	18	16	11	11	11	12	13	12	13
25	10	10	8	8	8	9	17	17	20	18	19	19	20	17	19	14	12	15	13	13	15	11	8	7	14
26	7	9	12	12	8	8	8	11	6	5	5	5	4	4	4	3	2	2	2	2	2	2	2	1	5
27	1	1	1	1	1	1	2	3	4	4	4	4	5	6	6	6	8	7	6	4	4	4	4	6	4
28	5	5	4	4	4	5	7	9	10	9	8	7	6	5	4	5	6	9	10	9	6	2	2	1	6
29	1	1	1	1	1	3	4	6	5	6	5	3	3	2	2	4	6	6	7	6	4	4	4	6	4
30	6	4	3	3	4	4	8	6	5	8	8	8	8	9	9	10	13	12	9	7	7	9	8	9	7
31	8	6	3	4	4	5	8	11	13	11	9	-	11	11	12	14	14	13	12	10	8	6	5	5	9
MEAN	7	7	6	6	6	6	8	9	9	9	8	8	8	8	9	9	10	10	9	8	8	8	8	8	8

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 0.3

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. --- INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

	POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION												
	STATION - WC NO 29025						BARTON/WENTWORTH HAMILTON						MONTH - FEB 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	5	4	4	4	5	8	10	12	10	10	9	8	8	8	10	13	13	10	9	9	10	9	10	8
2	10	10	8	9	10	10	15	24	22	20	18	14	13	13	13	15	15	14	15	11	11	11	11	9	13
3	7	8	6	8	10	8	13	29	30	15	9	7	7	5	4	4	4	6	8	7	6	7	6	9	13
4	8	13	9	7	11	11	15	17	18	8	5	4	3	4	6	8	10	10	9	13	15	16	13	15	10
5	35	19	17	14	13	12	12	13	9	7	6	4	5	4	4	9	7	7	5	3	2	2	2	3	9
6	2	2	2	2	1	1	2	2	3	3	3	2	2	2	3	3	3	3	2	1	1	1	1	1	2
7	1	1	1	1	1	1	1	2	3	3	2	2	2	3	5	6	7	3	2	2	2	3	3	3	3
8	5	3	1	2	7	7	6	4	4	5	6	6	6	5	3	3	3	8	11	20	48	41	30	35	11
9	34	21	15	16	17	13	18	20	28	22	20	18	-	-	11	10	9	9	10	14	12	12	11	10	16
10	9	8	8	7	6	6	9	12	14	11	11	9	9	10	9	9	10	9	10	10	10	8	8	9	9
11	9	9	8	5	5	4	6	5	6	6	8	9	8	8	7	8	6	6	6	5	6	6	5	5	7
12	4	4	3	2	1	1	1	1	1	2	2	2	4	4	4	4	4	3	3	3	4	4	5	6	3
13	4	3	2	2	3	3	3	4	4	6	9	7	8	6	6	6	6	4	4	6	6	5	4	3	5
14	4	4	4	4	3	3	3	5	6	6	5	6	7	3	1	2	11	14	13	8	10	11	12	7	7
15	11	10	10	11	9	9	12	16	18	16	12	12	13	13	13	11	13	13	15	15	13	10	10	11	13
16	10	9	7	7	6	7	11	15	15	13	11	12	11	9	10	11	13	13	15	15	13	10	10	11	8
17	8	7	5	4	3	7	11	12	10	10	9	8	7	9	8	8	11	12	9	11	13	12	11	11	9
18	11	11	9	7	7	7	7	7	8	8	8	8	7	7	5	6	7	8	10	10	10	10	11	8	9
19	11	11	12	12	11	8	7	7	6	5	5	5	4	3	3	3	3	3	7	8	9	11	12	13	7
20	13	10	10	7	4	-	12	17	19	16	11	12	11	13	12	13	13	11	9	11	10	11	11	11	12
21	8	8	8	5	6	9	11	13	15	17	15	11	7	5	4	6	10	3	6	6	5	7	5	6	8
22	5	5	4	3	4	5	7	10	14	9	8	3	2	3	5	7	7	7	5	5	4	4	5	6	6
23	5	5	5	5	5	6	10	14	20	16	12	10	11	10	8	10	11	11	9	8	9	8	7	8	8
24	8	8	8	6	4	8	9	12	11	11	10	10	10	10	12	12	13	12	10	10	10	10	10	13	10
25	11	10	9	6	5	4	6	10	11	14	17	6	6	6	8	4	2	2	3	9	10	8	6	7	8
26	9	9	7	5	4	4	4	4	4	3	3	2	2	2	3	3	3	4	5	7	7	6	6	5	5
27	7	5	5	5	4	5	7	9	11	12	7	6	7	8	8	5	11	11	10	11	10	8	7	8	8
28	8	7	6	6	6	8	11	17	18	12	10	9	10	10	12	9	6	15	-	-	-	-	-	-	10
MEAN	9	8	7	6	6	6	8	11	12	10	9	8	7	7	7	7	8	8	8	9	10	9	9	9	8.2

PERCENTAGE OF DATA VALID - 98.7 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 1.3

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. --- INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY





ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON

MONTH - MAY 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	3	2	5	5	2	1	1	1	1	2	2	2	2	1	1	1	1	2	3	3	2	2
2	3	2	2	3	5	11	10	4	1	1	1	1	1	1	2	2	7	6	9	5	2	3	4	3	4
3	2	1	2	2	3	8	8	6	2	-	6	5	3	1	1	2	2	6	3	2	3	2	5	6	4
4	6	3	11	4	5	8	9	8	9	8	11	-	-	7	7	8	9	8	8	11	8	7	9	9	8
5	9	7	7	10	18	11	10	9	11	11	-	11	10	12	13	12	11	9	10	9	10	14	18	10	11
6	11	10	7	5	7	8	9	10	9	9	10	16	15	15	13	9	13	7	12	10	21	18	16	13	11
7	17	12	9	9	8	11	9	6	2	1	2	5	7	8	6	8	9	7	9	10	9	9	10	8	8
8	10	7	9	8	9	12	12	10	15	10	14	16	20	22	15	25	18	8	7	6	5	6	9	8	12
9	4	4	3	3	3	7	15	9	7	7	4	-	4	5	7	6	4	6	7	6	6	4	3	6	6
10	1	1	1	1	1	4	7	7	5	6	5	6	6	6	7	7	5	4	5	7	11	15	15	9	6
11	6	3	3	3	5	14	14	11	10	12	11	8	9	10	9	11	10	7	11	16	17	16	20	12	10
12	13	13	8	10	9	10	12	23	25	15	11	12	17	18	11	11	10	7	7	9	7	11	8	12	12
13	8	6	9	9	9	9	11	12	13	11	6	9	13	17	22	15	9	11	9	13	17	9	11	11	11
14	12	12	10	5	7	5	7	10	11	10	8	10	9	10	8	13	7	8	7	5	6	6	6	5	8
15	5	6	4	3	8	7	9	9	8	7	8	10	10	10	10	10	8	9	10	9	12	9	8	9	8
16	8	5	5	7	4	9	10	13	9	11	9	14	14	16	11	8	10	10	8	10	15	18	19	14	11
17	9	1	1	1	1	10	7	7	-	10	10	11	12	13	11	13	9	7	6	11	14	10	12	8	8
18	7	8	6	5	9	14	20	20	13	4	6	13	17	18	18	16	14	13	11	12	14	14	22	14	13
19	14	11	7	7	8	21	23	21	13	11	10	8	6	5	4	8	5	5	6	12	18	9	10	9	10
20	9	7	5	3	3	5	8	7	7	7	5	5	5	6	4	4	4	7	8	7	6	6	5	5	6
21	5	3	2	0	0	0	0	0	0	0	0	1	1	1	1	1	1	7	6	7	7	9	7	5	3
22	2	3	4	6	6	8	5	3	4	3	2	5	4	3	1	1	2	4	6	8	9	17	18	20	6
23	15	15	14	10	12	22	23	19	16	15	14	15	12	7	16	21	18	15	14	16	9	14	13	19	15
24	23	18	14	11	11	19	23	-	-	10	15	15	15	16	13	14	11	9	8	6	10	11	24	27	15
25	27	17	15	16	19	20	22	19	16	9	5	4	3	6	2	10	12	11	10	8	12	14	20	14	13
26	10	9	8	9	8	16	21	21	13	5	10	8	7	8	7	4	10	11	13	14	13	13	14	12	11
27	13	12	10	9	9	10	12	12	14	14	19	17	17	18	17	16	16	13	12	8	12	20	17	14	13
28	13	16	13	5	5	4	5	8	6	6	4	4	4	6	10	10	12	13	10	7	5	4	6	11	8
29	10	9	6	5	5	7	9	12	13	10	11	9	9	11	12	12	10	9	9	8	8	9	9	9	9
30	10	10	10	10	9	7	7	-	-	18	22	20	17	18	15	18	16	12	12	15	14	11	9	7	13
31	5	5	4	4	3	8	12	13	11	10	9	7	7	7	5	6	3	2	2	2	3	4	7	3	6
MEAN	9	8	7	6	7	10	11	11	9	8	8	9	9	10	9	10	9	8	8	9	10	10	12	10	9.1

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 1.2

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON

MONTH - JUN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	2	2	5	8	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6	8	8	7	5	4	7	9	10	10
3	5	2	1	0	0	1	1	0	1	2	2	0	0	0	0	0	0	0	0	0	1	5	7	11	2
4	10	10	6	5	4	6	4	3	3	4	5	6	7	6	7	7	7	9	8	9	7	9	5	3	6
5	3	3	3	2	3	4	5	4	3	2	2	2	2	2	1	2	1	1	1	1	3	3	6	10	7
6	7	8	8	8	8	13	15	14	11	10	10	8	-	12	13	16	12	12	12	12	15	12	10	8	11
7	8	13	12	8	10	17	22	29	31	32	19	19	24	27	15	31	22	21	25	21	22	26	22	12	20
8	13	16	15	10	8	12	15	14	14	14	12	9	9	8	8	7	6	7	5	5	6	5	5	5	10
9	6	4	5	5	5	9	9	7	8	6	6	9	9	8	7	7	5	5	5	5	6	5	6	6	6
10	8	10	7	8	8	10	11	9	12	12	12	13	13	14	12	14	13	11	10	13	12	10	11	12	11
11	10	7	5	4	4	5	5	6	6	6	6	6	6	6	6	6	6	7	11	12	12	9	6	7	
12	5	4	5	5	6	10	12	14	14	12	13	11	10	12	12	14	14	12	9	9	7	6	5	4	9
13	4	3	3	2	2	4	4	4	-	4	4	4	4	4	4	5	3	3	3	3	5	6	7	6	4
14	5	5	4	5	5	7	11	8	5	4	4	3	3	3	3	3	3	3	3	3	6	10	11	7	5
15	7	5	5	5	5	8	13	15	11	11	10	11	10	12	11	11	9	8	10	14	14	13	19	15	11
16	9	7	5	5	5	13	16	18	16	17	20	18	15	13	15	14	13	14	16	15	12	10	14	18	13
17	15	12	10	7	8	11	14	11	12	13	13	12	11	11	10	10	10	11	10	10	10	10	10	9	11
18	8	7	5	5	5	7	6	6	5	6	6	6	6	7	6	6	6	6	6	5	6	7	6	6	6
19	5	5	6	6	6	7	10	14	16	13	8	6	6	5	6	8	12	9	6	5	6	7	10	13	8
20	13	12	11	12	10	13	18	-	-	14	9	9	14	13	13	13	12	12	12	10	7	11	9	9	12
21	12	11	12	13	14	16	16	18	25	26	21	18	15	13	12	12	12	7	6	6	7	7	11	11	13
22	7	6	4	4	5	7	11	10	9	8	8	7	6	7	9	8	7	8	7	10	9	7	7	8	7
23	5	5	5	5	5	8	8	5	4	4	4	3	3	4	7	12	10	10	10	9	10	7	5	5	6
24	4	4	4	6	8	7	7	8	9	9	12	11	8	6	8	7	6	6	8	10	12	10	11	12	8
25	14	11	8	9	9	8	8	6	6	6	11	11	10	9	11	10	12	16	15	14	13	14	14	13	11
26	14	10	9	8	8	10	13	15	13	11	11	10	11	11	11	13	11	10	9	8	8	7	7	10	10
27	6	5	5	5	5	9	-	8	10	10	10	9	10	10	10	9	9	9	9	7	7	6	5	5	7
28	4	4	4	3	3	5	7	6	5	5	4	3	4	4	4	3	3	3	3	4	4	7	7	7	5
29	7	5	5	4	4	6	7	7	6	5	5	4	4	3	4	5	3	3	3	3	3	6	8	9	7
30	6	6	5	5	3	3	4	5	6	8	12	12	12	11	11	10	10	10	6	4	3	3	3	3	7
MEAN	8	7	6	6	6	8	10	10	10	10	9	9	9	9	8	9	8	8	8	8	8	9	9	8	8.3

PERCENTAGE OF DATA VALID - 95.1

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 4.9

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON														MONTH - JUL 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	4	7	4	4	5	4	6	6	5	7	6	5	5	5	6	7	7	8	10	12	13	16	16	7
2	13	18	10	10	7	7	6	7	8	6	6	7	7	7	8	7	6	5	4	5	5	5	5	7	8
3	9	10	7	6	5	5	5	6	6	6	8	9	9	9	7	7	8	11	8	8	7	7	8	8	7
4	6	6	7	7	6	7	8	10	7	7	7	5	6	6	9	12	13	8	9	4	8	20	16	17	9
5	16	15	13	13	13	23	25	18	15	12	11	8	5	9	11	12	11	9	9	10	10	8	10	10	12
6	7	4	4	4	6	12	17	15	10	12	-	9	9	9	9	10	10	7	8	9	10	9	8	7	9
7	6	6	5	4	5	10	14	13	11	12	11	10	9	9	10	11	9	9	10	11	12	11	7	9	9
8	6	4	5	4	4	5	6	7	6	7	6	7	6	5	5	5	5	4	3	5	5	4	6	5	5
9	6	4	3	3	3	4	4	4	5	5	5	5	3	4	4	4	4	5	5	5	9	10	9	5	5
10	3	3	3	3	4	3	4	4	4	4	4	3	3	3	3	2	2	2	2	2	3	5	4	3	3
11	3	2	2	2	2	6	10	10	7	2	1	1	1	2	3	3	4	2	1	2	5	4	6	6	4
12	8	6	7	5	5	10	16	17	13	10	7	8	10	10	10	11	10	9	11	10	12	13	9	7	10
13	6	4	3	3	5	11	15	13	12	12	13	12	12	11	11	12	11	9	9	11	14	13	11	10	10
14	7	5	4	4	5	7	17	11	7	6	9	8	4	5	5	8	10	5	2	9	11	8	7	6	7
15	7	8	8	7	6	7	9	9	9	7	7	7	6	6	6	6	6	7	6	7	9	9	7	5	7
16	3	2	2	2	2	2	2	1	1	2	4	7	8	7	6	4	3	4	4	3	2	2	2	2	3
17	2	2	2	1	1	1	1	3	3	3	3	2	4	4	3	2	3	6	9	9	9	9	10	9	4
18	6	6	6	8	8	11	16	16	17	12	10	8	7	8	12	11	10	9	9	11	9	10	10	6	10
19	4	3	3	3	4	8	15	14	13	13	12	10	10	10	10	14	13	12	14	14	13	17	18	9	11
20	8	5	3	3	4	9	15	15	12	12	11	9	-	10	10	11	9	8	8	9	9	8	9	8	9
21	9	5	4	3	4	9	9	10	15	14	20	-	15	9	10	12	11	6	8	11	12	10	15	11	10
22	8	8	6	5	5	6	9	11	10	10	9	8	7	7	6	7	9	10	10	9	8	7	6	7	8
23	5	4	3	2	2	3	4	4	4	4	3	5	4	3	2	2	2	3	3	2	2	3	4	4	3
24	4	4	4	4	4	10	19	22	13	12	8	4	7	8	7	7	7	5	6	8	9	11	15	11	9
25	16	17	13	9	7	8	9	18	18	19	18	19	16	13	12	14	12	9	5	10	11	7	7	6	12
26	5	4	3	3	3	5	8	9	8	7	8	7	-	8	8	8	6	6	6	6	4	7	6	4	6
27	5	2	2	2	3	5	8	10	10	8	7	7	7	8	8	11	9	12	9	9	11	6	4	2	7
28	2	2	2	2	2	6	7	3	2	1	1	1	4	5	6	3	4	7	8	9	7	5	7	7	4
29	8	5	3	2	2	6	7	7	7	5	7	7	7	8	7	6	6	4	3	2	2	1	1	1	5
30	2	2	1	1	1	1	1	1	1	4	4	5	6	4	3	3	3	3	4	4	4	8	7	7	3
31	7	7	6	6	7	8	10	9	9	10	11	12	-	9	8	10	6	7	6	4	5	15	19	8	9
MEAN	6	6	5	4	4	7	10	10	9	8	8	7	7	7	7	8	7	7	7	7	8	9	9	7	7.3

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON														MONTH - AUG 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	3	3	3	4	10	14	12	7	7	6	6	-	5	6	7	5	4	5	6	14	6	6	5	6
2	5	4	4	4	3	6	8	10	8	6	5	4	5	5	5	6	5	4	5	6	6	5	4	4	5
3	3	3	2	2	2	3	5	6	6	6	7	6	5	4	4	5	5	5	5	4	4	3	3	2	4
4	2	2	2	0	1	4	8	8	5	5	2	2	3	5	4	6	6	4	4	6	6	7	7	10	5
5	11	9	6	5	6	7	8	7	6	8	9	8	6	7	6	3	3	4	8	9	6	8	13	12	7
6	10	5	4	3	3	4	4	4	4	3	4	5	4	3	3	3	3	3	3	4	3	6	14	15	5
7	17	14	12	10	11	11	8	5	9	6	4	4	5	5	5	5	5	5	6	6	7	8	10	8	8
8	9	5	3	3	5	10	9	8	6	7	7	7	6	5	5	5	5	3	4	3	3	3	3	2	5
9	2	3	3	3	3	4	5	7	-	7	6	6	5	6	5	11	8	8	8	8	3	7	6	3	6
10	3	2	1	1	3	7	6	5	3	5	7	8	8	8	5	4	5	5	6	9	15	9	14	13	6
11	13	14	8	4	6	7	12	13	10	8	7	6	7	5	6	6	7	7	6	11	12	16	16	17	9
12	12	12	9	5	4	5	9	7	5	5	4	3	1	1	3	4	4	4	5	7	7	4	5	7	6
13	8	4	2	2	2	2	2	3	2	3	3	2	2	2	2	2	2	2	3	4	4	4	5	4	3
14	3	2	2	2	2	6	14	13	11	7	6	4	4	3	3	4	6	6	8	10	10	12	10	10	7
15	6	5	4	4	3	5	11	12	11	8	6	6	7	6	7	7	6	4	6	9	6	5	5	4	6
16	3	3	2	1	2	3	7	6	5	5	5	4	4	5	4	4	4	3	3	4	3	4	4	3	4
17	3	2	2	2	2	3	7	6	5	5	5	4	4	5	4	4	3	2	1	2	2	5	7	11	4
18	7	7	6	5	5	12	15	13	8	9	11	12	9	8	9	9	9	8	9	4	7	11	4	8	9
19	14	10	10	11	10	5	4	5	5	7	7	7	5	5	4	4	3	4	3	3	2	2	1	2	1
20	3	2	1	0	0	2	2	2	0	0	2	3	3	1	1	2	3	3	3	4	2	4	2	1	2
21	1	4	3	3	4	13	19	14	6	6	5	2	6	7	6	9	7	7	8	10	9	10	18	16	8
22	17	16	9	11	8	11	26	-	13	11	8	4	5	4	5	6	6	5	4	5	5	5	7	4	8
23	3	2	2	1	2	7	12	13	9	8	9	8	11	10	8	9	7	5	6	6	6	6	5	3	7
24	3	2	2	1	2	3	6	8	8	6	6	5	5	4	13	12	13	11	8	8	7	6	6	7	6
25	7	6	6	4	3	3	3	4	4	5	5	6	6	6	9	6	8	9	17	19	14	8	16	15	8
26	10	7	7	6	6	10	14	8	6	4	7	5	5	5	5	5	4	4	4	4	4	4	6	5	4
27	5	4	5	5	3	4	5	4	4	5	5	4	5	5	7	4	4	4	4	4	4	4	4	4	5
28	5	5	3	3	3	6	9	9	7	6	6	6	-	6	6	6	5	4	4	3	3	3	3	2	5
29	1	1	1	1	1	4	6	7	6	5	4	4	4	4	4	4	3	3	2	5	6	8	12	12	5
30	11	6	6	4	6	18	19	22	13	8	7	6	6	7	8	9	7	7	8	9	10	7	2	1	9
31	4	2	2	1	1	3	2	4	6	8	7	9	10	8	6	9	8	9	7	9	8	16	25	22	8
MEAN	7	5	4	4	4	6	9	8	7	6	6	5	5	5	5	6	6	5	6	7	7	7	8	7	6.0

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION																								
STATION - WC NO 29025												BARTON/WENTWORTH HAMILTON												MONTH - SEP 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN											
1	15	11	8	7	8	17	22	19	7	6	7	9	6	7	9	9	8	8	13	14	9	6	10	7	10											
2	9	5	3	2	2	6	5	8	5	5	4	4	5	4	4	4	5	3	4	4	5	5	4	3	5											
3	3	2	3	2	2	3	5	3	4	4	3	2	2	4	8	2	1	1	1	1	1	1	1	1	3											
4	1	1	1	0	0	0	1	1	1	1	2	2	2	2	2	2	2	3	6	6	6	5	-	-	2											
5	-	-	-	-	-	-	-	-	-	-	3	3	5	8	10	11	8	8	7	6	5	6	6	4	*****											
6	2	1	1	1	1	3	6	8	6	6	5	4	4	4	5	6	6	4	3	3	3	3	3	3	4											
7	2	2	1	1	2	4	9	9	6	2	3	4	7	8	9	8	4	3	2	2	3	3	2	4	4											
8	2	2	2	2	1	4	5	5	5	5	4	5	4	4	4	4	2	2	4	5	8	9	8	5	4											
9	6	8	5	3	2	3	1	1	1	3	2	3	3	3	3	3	2	4	6	12	14	10	14	11	5											
10	14	7	6	5	4	5	6	5	5	4	4	3	4	4	4	7	5	5	5	7	6	8	11	8	6											
11	12	16	6	3	3	4	8	12	7	7	6	6	6	6	6	6	6	5	4	4	3	3	3	4	6											
12	6	4	3	2	2	2	4	7	8	8	8	9	5	4	3	4	3	3	3	2	2	3	4	3	4											
13	2	2	2	2	2	3	3	5	5	3	3	3	2	2	2	3	2	2	2	2	2	3	4	4	3											
14	3	4	3	3	4	13	24	24	20	11	10	8	-	7	7	10	10	7	5	4	4	3	4	4	8											
15	4	4	3	2	2	4	7	7	6	5	5	5	4	4	5	7	7	6	5	6	4	3	4	4	5											
16	3	2	2	2	2	3	3	3	2	1	1	1	1	1	1	1	1	1	2	4	1	1	1	1	2											
17	4	7	7	6	5	3	4	6	5	4	4	4	9	4	3	3	3	3	3	3	4	4	4	3	4											
18	3	3	3	3	3	4	5	5	5	5	5	6	8	6	6	9	8	5	5	6	7	6	6	5	5											
19	2	1	1	1	1	1	3	6	8	8	7	8	12	9	6	9	8	8	4	6	18	20	15	11	7											
20	19	19	16	12	10	18	38	29	18	11	15	11	10	10	11	13	8	7	6	14	8	10	15	13	14											
21	18	14	6	3	3	5	7	10	9	7	6	5	6	3	2	3	3	2	1	1	1	1	1	1	5											
22	0	0	0	0	0	1	2	2	3	5	5	-	8	-	-	8	4	4	5	3	4	3	4	9	3											
23	4	8	13	8	5	10	15	11	11	9	5	5	7	4	6	5	5	6	13	13	14	25	21	25	10											
24	28	22	10	8	8	7	6	5	4	4	3	-	2	3	3	2	3	3	5	5	4	4	4	4	6											
25	2	1	1	1	1	4	7	6	1	1	1	1	1	1	1	1	5	1	2	2	2	3	2	2	2											
26	2	4	6	5	5	16	35	34	-	9	7	6	6	6	7	8	6	5	7	7	8	8	7	4	9											
27	2	2	2	2	2	5	7	9	7	5	5	6	5	6	6	8	7	5	5	6	5	2	1	0	5											
28	0	1	0	0	0	1	3	4	-	1	1	3	3	6	10	8	7	9	10	13	5	2	8	19	5											
29	22	17	16	17	17	24	36	45	25	7	7	7	7	8	7	8	7	5	5	5	8	11	14	35	42											
30	35	26	30	25	26	22	34	21	7	7	7	6	6	6	6	6	8	8	6	8	7	4	6	5	13											
MEAN	8	7	6	4	4	7	11	11	7	5	5	5	5	5	5	6	5	5	5	6	6	6	7	7	6.1											

PERCENTAGE OF DATA VALID - 97.4

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 2.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON														MONTH - OCT 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	4	3	3	2	2	2	3	3	3	2	2	2	2	4	4	4	5	8	7	3	1	1	1	3
2	1	1	1	1	1	2	2	4	4	6	6	5	4	3	3	9	12	8	11	11	10	11	22	26	7
3	21	21	16	17	17	27	50	38	21	-	11	9	9	10	11	13	10	9	8	13	9	12	8	4	16
4	2	2	1	1	2	6	9	9	8	7	8	7	7	7	7	10	8	7	6	6	5	5	8	8	6
5	4	3	3	3	3	7	14	17	9	8	8	7	9	7	8	11	12	10	11	9	4	7	7	6	8
6	6	2	1	1	2	6	7	13	10	9	8	4	5	5	5	10	8	6	5	4	4	3	3	2	5
7	1	1	1	1	1	1	3	3	3	3	3	1	2	2	3	3	1	3	4	2	3	5	6	4	3
8	6	3	1	1	1	2	1	1	1	1	1	2	2	2	2	2	2	2	4	4	4	4	6	7	3
9	5	3	4	5	5	7	7	6	5	5	2	2	2	2	2	3	4	4	6	5	4	4	2	2	4
10	2	2	1	1	1	4	10	11	9	8	7	7	6	6	6	9	8	8	7	6	13	15	9	6	7
11	5	6	9	7	9	20	24	23	14	10	9	7	7	9	10	10	10	10	7	7	7	7	5	5	10
12	2	3	2	1	4	7	7	-	4	5	5	4	5	6	10	8	5	7	5	6	6	7	5	5	5
13	4	3	3	3	3	8	16	14	6	3	3	3	4	4	4	4	2	2	3	2	2	2	1	4	4
14	1	1	1	1	1	1	1	1	1	1	1	1	1	3	7	3	1	1	1	2	1	1	4	6	2
15	6	6	5	3	3	3	3	3	3	3	2	3	3	4	4	4	4	4	5	6	6	9	10	9	5
16	8	5	4	4	3	4	6	8	10	10	9	7	8	5	7	6	4	4	6	6	5	5	6	4	6
17	11	14	10	11	14	23	27	34	27	14	7	5	6	8	10	13	9	10	10	8	8	10	13	12	13
18	10	10	11	10	8	16	13	13	20	12	-	8	9	9	9	12	10	10	8	7	8	8	7	6	10
19	6	6	5	6	5	5	15	27	16	13	11	11	11	10	10	11	11	9	9	11	8	4	4	2	9
20	3	3	3	3	4	16	32	29	15	10	8	7	7	8	9	9	7	10	9	6	6	4	8	8	9
21	7	4	4	4	3	3	5	4	5	6	5	5	5	6	5	4	3	3	3	3	3	3	4	3	4
22	4	5	2	2	1	2	2	2	2	2	2	3	4	3	3	3	4	3	3	6	6	4	5	4	3
23	3	2	1	1	1	2	3	3	3	3	2	2	2	2	2	1	1	1	1	1	1	3	5	4	2
24	4	3	4	4	5	12	24	28	-	10	9	7	6	7	10	13	10	11	9	7	7	7	5	5	9
25	3	2	2	3	5	8	10	12	9	9	9	9	10	7	8	9	7	5	4	3	3	3	3	2	6
26	2	1	1	1	1	6	10	3	3	4	3	6	7	5	6	11	4	5	4	5	8	8	9	5	5
27	4	3	3	1	1	4	10	10	10	9	7	7	6	8	5	6	5	6	5	5	4	4	4	4	5
28	4	4	4	3	4	5	8	10	9	4	3	3	2	3	3	2	3	2	5	6	4	3	5	5	4
29	6	4	3	3	2	3	5	5	3	4	4	6	6	5	5	3	3	3	4	3	5	7	8	11	5
30	8	8	10	7	8	7	23	55	28	16	12	11	10	13	15	20	24	24	33	21	16	6	5	5	16
31	4	3	3	4	5	5	8	12	18	-	11	9	8	7	4	4	4	5	3	3	2	2	5	8	6
MEAN	5	4	4	4	4	7	12	13	9	7	6	5	6	6	6	7	7	6	7	6	6	6	6	6	6.4

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - WC NO 29025													BARTON/WENTWORTH HAMILTON												
MONTH - NOV 78													MONTH - NOV 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	8	6	2	2	5	7	22	43	24	19	9	6	7	10	11	11	16	18	15	9	6	7	9	10	12
2	6	2	2	3	2	2	5	9	10	8	8	7	8	7	7	9	15	20	14	13	10	13	13	16	9
3	14	10	12	15	12	15	33	64	32	22	19	17	22	23	25	24	16	24	16	13	26	21	23	25	22
4	26	25	16	7	7	5	7	15	13	8	9	8	7	7	5	7	10	10	11	11	10	11	9	10	11
5	14	26	10	9	9	10	13	13	11	10	6	5	5	6	5	4	4	8	7	5	3	3	3	3	8
6	2	2	1	1	1	2	6	7	10	8	7	4	2	3	3	3	4	2	2	1	2	3	7	8	4
7	5	4	4	3	2	2	5	5	4	-	-	-	4	4	3	4	4	4	5	3	2	5	11	23	5
8	20	10	8	9	9	13	22	42	47	36	12	8	9	10	8	10	10	15	10	7	6	6	6	6	14
9	5	3	2	2	2	2	4	9	12	9	6	6	8	8	9	12	13	12	12	13	9	14	13	13	8
10	21	21	18	11	11	8	11	21	22	18	16	19	19	15	15	16	13	8	7	8	8	9	6	8	14
11	12	14	9	7	6	7	9	11	9	11	10	8	8	8	8	7	6	3	3	3	2	1	1	1	7
12	1	1	1	4	3	4	5	6	5	7	6	6	6	6	6	5	4	4	4	4	4	4	4	4	4
13	4	2	2	2	2	3	6	6	5	6	10	8	9	10	15	17	21	20	19	13	5	5	5	5	8
14	4	3	2	2	2	2	3	6	7	4	5	7	5	5	5	6	6	7	5	5	4	5	5	5	5
15	4	2	2	2	2	3	5	9	11	9	7	8	9	8	7	6	6	5	6	7	4	6	5	5	7
16	14	11	10	7	8	6	12	30	20	6	7	7	6	6	5	6	7	9	6	6	5	5	4	3	11
17	9	8	6	5	5	5	5	6	10	17	27	30	40	34	8	7	9	6	6	5	4	4	5	5	4
18	3	3	3	2	2	2	3	3	3	3	4	5	4	4	4	4	6	7	6	6	5	4	4	5	4
19	4	4	2	2	2	2	2	4	2	2	2	2	2	2	3	4	4	4	4	6	9	10	9	8	4
20	7	6	3	1	1	1	3	4	4	4	4	4	6	6	8	8	9	8	7	6	5	6	4	4	5
21	2	2	3	2	2	3	4	6	7	7	-	-	7	5	4	4	6	5	3	5	6	5	5	6	5
22	5	3	3	3	4	4	8	15	13	10	13	13	9	14	11	8	8	7	11	10	14	14	16	17	10
23	12	13	11	10	9	7	18	17	19	21	18	28	21	11	12	11	8	8	7	7	6	7	7	7	12
24	6	6	5	4	4	4	7	9	10	8	7	6	6	7	7	8	9	10	6	6	7	3	4	2	6
25	2	2	1	1	1	1	2	1	1	2	2	1	1	1	2	2	2	2	1	1	1	1	2	1	1
26	1	1	1	1	1	1	1	1	1	1	2	3	4	5	2	4	4	4	4	4	4	5	3	3	3
27	2	1	2	1	2	2	3	3	5	5	4	4	4	5	5	6	11	15	9	9	5	3	5	2	7
28	2	3	3	5	3	3	9	16	14	10	11	12	9	9	10	10	9	8	6	6	4	5	5	4	8
29	5	4	4	4	4	5	8	17	21	-	9	8	8	10	11	12	16	13	9	8	5	4	5	4	8
30	4	4	3	2	2	2	3	5	6	6	6	4	4	4	6	8	9	8	8	9	7	9	9	8	6
MEAN	7	7	5	4	4	4	8	13	12	10	9	9	9	8	8	8	9	9	8	7	7	7	7	8	7.8

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 0.8

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - WC NO 29025														BARTON/WENTWORTH HAMILTON											
MONTH - DEC 78														MONTH - DEC 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	4	3	4	4	3	6	12	15	12	12	13	13	13	10	13	20	18	12	11	9	10	9	7	10
2	5	4	2	2	1	1	3	4	4	5	5	5	3	2	4	2	6	4	2	2	3	5	5	8	4
3	4	4	3	2	2	2	2	3	2	2	2	3	4	5	5	8	14	17	20	19	17	23	20	6	4
4	4	2	1	3	1	2	5	7	8	6	5	5	5	5	6	7	8	7	4	4	5	4	5	4	5
5	5	2	1	1	1	2	3	4	5	-	5	5	5	-	5	6	9	8	6	7	6	4	5	5	5
6	5	5	5	5	5	5	9	14	18	12	7	6	8	10	10	9	14	14	10	9	6	6	6	7	9
7	4	2	2	1	1	4	5	8	11	5	5	10	7	7	7	8	10	9	10	11	11	6	11	15	7
8	17	18	15	7	6	8	11	16	12	10	11	7	8	7	5	6	7	5	4	4	5	4	2	2	8
9	3	2	3	3	2	2	1	2	3	4	4	3	4	5	4	6	5	5	4	4	4	2	2	2	3
10	2	3	2	2	2	1	2	2	2	2	2	2	2	2	2	4	3	4	4	4	4	4	5	5	3
11	4	4	3	3	3	3	7	11	13	-	10	9	10	10	-	19	13	14	10	9	7	7	7	7	8
12	5	4	4	4	4	4	5	7	8	6	6	5	6	5	6	8	15	9	7	8	6	5	5	4	6
13	4	4	3	2	2	2	3	5	4	4	5	6	6	6	4	4	6	5	3	4	3	2	2	2	4
14	2	2	1	1	1	2	5	8	11	7	5	4	5	5	5	5	8	5	4	5	4	4	3	3	4
15	2	2	2	2	2	2	3	5	5	5	6	5	4	5	5	6	7	6	5	5	6	6	6	7	5
16	7	8	6	5	4	4	6	8	9	12	8	9	10	10	10	12	16	14	16	11	9	8	6	5	9
17	5	6	4	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2
18	2	2	2	1	1	2	6	11	12	8	9	7	7	5	2	2	4	3	2	2	1	2	2	4	4
19	4	4	3	2	3	2	3	7	12	7	5	5	4	3	4	3	4	13	15	11	4	3	3	4	7
20	7	9	4	5	3	3	4	4	4	5	4	-	9	11	11	13	9	7	6	7	11	11	13	12	8
21	7	7	6	3	3	3	3	5	5	4	4	5	4	4	6	7	8	9	8	8	7	6	5	5	6
22	4	5	4	4	3	4	6	11	13	8	9	9	7	8	7	8	7	7	5	6	5	4	4	4	7
23	4	4	4	2	2	2	2	4	5	5	6	5	5	5	5	6	10	19	22	30	24	28	37	32	10
24	24	24	22	14	12	12	13	10	11	12	10	7	6	5	5	6	7	7	5	4	5	6	5	5	11
25	7	6	6	6	5	4	4	5	5	5	3	2	3	3	3	3	3	2	2	2	2	3	2	2	4
26	2	2	2	2	2	2	2	2	3	4	4	4	4	4	4	5	5	5	4	4	4	4	4	4	3
27	3	2	2	2	2	2	4	5	6	6	6	6	7	5	7	7	8	7	5	4	4	4	4	4	5
28	4	4	3	4	3	4	4	5	8	12	-	6	4	8	4	9	6	17	10	12	7	5	6	5	4
29	8	10	6	2	2	2	3	6	6	8	11	14	10	10	11	9	7	4	4	4	6	4	4	4	6
30	6	5	7	9	8	9	10	14	15	13	15	16	14	10	18	21	28	30	28	26	15	20	22	33	21
31	19	19	20	12	16	13	12	15	12	11	9	11	12	12	14	19	18	21	25	12	16	16	18	8	15
MEAN	6	6	5	4	3	4	5	7	8	7	6	6	7	6	7	8	10	9	8	7	7	7	7	7	6.6

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	8.0	17	35
FEB	28	8.3	16	48
MAR	29	7.5	15	33
APR	30	5.9	11	29
MAY	31	9.1	15	27
JUN	28	8.3	20	32
JUL	31	7.3	12	25
AUG	31	6.0	9	26
SEP	29	6.1	16	45
OCT	31	6.4	16	55
NOV	30	7.8	22	64
DEC	31	6.6	17	37
YEAR	360	7.3	22	64

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	275	268	178	18	3	0	0	742
FEB	207	272	171	8	3	2	0	663
MAR	291	267	136	13	1	0	0	708
APR	382	267	69	12	0	0	0	710
MAY	190	301	222	22	0	0	0	735
JUN	209	282	177	14	3	0	0	685
JUL	269	338	129	3	0	0	0	739
AUG	390	268	75	4	0	0	0	737
SEP	417	201	56	18	7	2	0	701
OCT	403	243	67	20	4	1	1	739
NOV	315	249	109	32	5	3	1	714
DEC	414	197	106	17	3	0	0	737
YEAR	3742	3153	1495	181	29	8	2	8610

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
98.3	0	1.5	3.6	5.7	8.3	12.9	16.3	21.4	25.1	64	7.3

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO													MONTH - JAN 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	9	7	6	6	5	5	5	4	4	4	4	4	4	4	5	4	5	5	4	3	3	3	3	3	3
2	3	2	3	3	3	3	4	5	6	4	5	4	2	3	4	4	4	5	4	3	3	3	3	3	4
3	3	3	3	3	3	3	4	6	7	8	-	-	6	5	5	5	6	7	7	7	9	8	7	7	7
4	6	4	4	4	4	6	6	9	7	7	7	7	7	8	8	8	8	8	9	9	8	6	6	7	7
5	5	4	4	3	3	4	4	6	9	8	10	9	7	7	9	12	10	9	8	8	8	13	15	14	8
6	- DATA UNAVAILABLE -																								
7	6	8	7	5	5	5	5	5	5	5	7	9	12	12	11	9	10	9	9	9	7	6	7	8	8
8	7	7	6	6	5	5	5	6	6	6	7	7	5	5	6	6	7	11	12	9	8	6	4	3	6
9	3	2	1	1	1	1	2	3	3	3	2	2	3	4	4	3	4	5	4	3	3	3	3	3	3
10	3	3	3	3	3	3	5	4	4	4	3	3	3	3	3	3	3	4	3	3	2	3	3	3	3
11	4	5	4	4	3	3	3	4	4	5	7	6	6	6	6	4	5	5	6	9	8	6	6	5	5
12	5	4	4	4	4	3	4	5	11	12	14	-	6	6	18	17	14	14	10	10	11	17	11	10	9
13	13	12	11	6	4	4	4	6	10	13	12	11	9	11	10	11	11	10	9	6	6	6	6	5	9
14	4	4	4	3	3	3	3	3	3	3	3	4	4	4	4	4	4	5	5	5	4	4	4	5	4
15	3	3	4	4	2	2	2	4	6	4	3	4	2	2	3	3	3	3	4	3	4	4	3	4	3
16	4	4	4	3	4	4	5	6	8	7	7	6	5	6	6	5	5	6	6	7	6	7	8	8	6
17	9	10	8	9	6	5	6	10	15	17	15	11	9	9	8	8	8	8	6	6	5	5	5	4	8
18	4	3	3	2	3	3	3	4	5	5	5	5	5	5	5	5	6	9	10	9	7	8	8	9	5
19	9	10	11	12	11	12	12	15	18	23	16	21	13	-	6	8	11	12	12	12	12	9	9	7	12
20	5	4	3	3	3	3	2	4	7	6	6	6	6	6	6	6	5	6	5	5	5	4	3	5	5
21	3	3	3	3	3	3	3	3	4	4	5	4	5	6	5	5	6	7	6	8	11	13	19	15	6
22	18	19	16	12	8	5	5	8	6	6	7	7	6	5	5	5	6	6	6	5	4	4	5	4	7
23	5	5	5	5	5	4	5	8	11	14	13	9	8	9	7	7	8	8	7	8	8	12	8	7	8
24	7	6	6	7	8	8	7	9	14	12	10	10	9	8	10	9	10	8	8	7	6	6	6	6	10
25	3	3	3	3	3	3	2	4	5	3	2	-	2	2	2	2	3	3	2	1	1	2	2	4	3
26	3	3	3	3	3	3	3	3	3	3	5	4	3	3	4	3	3	3	5	4	4	4	4	4	3
27	2	2	2	2	3	3	3	3	3	4	2	2	2	3	3	3	3	3	2	3	4	4	3	3	3
28	3	3	3	3	2	3	3	4	4	2	2	2	3	3	3	3	3	3	3	3	3	4	3	4	3
29	3	3	4	4	4	4	3	3	3	3	3	4	3	3	3	3	3	3	3	3	3	4	4	4	5
30	5	7	6	4	4	3	3	6	8	10	6	5	5	4	4	4	5	6	8	6	4	4	4	4	5
31	4	4	3	3	4	4	4	6	8	6	7	7	-	6	6	7	7	7	6	7	5	4	4	4	5
MEAN	6	5	5	5	4	4	4	6	7	8	7	7	6	6	6	6	7	7	6	6	6	6	6	6	5.9

PERCENTAGE OF DATA VALID - 96.0 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 4.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. -.- INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO														MONTH - FEB 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	3	2	3	3	3	4	6	6	7	-	-	4	3	3	4	4	5	6	5	5	5	6	6	4
2	5	5	5	5	5	5	6	8	11	14	9	11	12	9	9	9	8	8	7	8	6	6	6	6	8
3	6	6	5	4	5	6	8	13	13	12	7	5	4	4	5	5	6	5	6	7	6	7	7	8	7
4	7	7	7	8	6	6	8	8	7	8	8	6	7	7	10	10	11	14	13	13	15	17	16	19	10
5	15	15	14	13	12	7	3	5	4	5	3	4	5	5	5	6	5	5	6	6	5	5	4	4	7
6	4	3	3	3	3	3	3	6	7	7	-	-	5	6	6	6	7	7	5	6	5	7	6	6	5
7	3	3	2	2	2	2	4	4	5	6	6	5	5	5	5	6	7	7	8	9	7	7	6	7	7
8	4	4	4	4	3	4	5	7	12	-	8	7	-	7	7	7	7	10	9	9	10	9	6	6	6
9	7	6	4	4	5	3	4	8	8	9	8	-	6	4	5	6	8	8	6	9	8	6	6	6	9
10	6	8	7	5	5	5	5	12	14	18	17	14	18	15	11	8	6	5	6	5	5	4	3	5	9
11	6	7	5	4	3	4	5	6	5	5	6	4	4	3	3	4	4	3	2	3	4	4	4	4	4
12	4	3	3	3	1	2	2	3	6	8	5	6	7	8	8	9	7	6	6	7	7	6	7	8	6
13	5	6	4	3	2	2	3	6	8	8	5	6	7	5	5	5	5	6	6	8	9	8	9	10	7
14	7	5	5	3	4	4	5	9	13	12	11	6	7	6	6	8	8	-	7	7	9	9	8	7	8
15	6	6	6	6	6	6	8	10	11	16	12	7	6	6	8	8	7	8	6	8	7	6	5	6	7
16	5	5	4	4	4	4	6	10	12	13	15	-	10	8	7	6	7	7	8	7	8	10	10	11	7
17	5	4	4	4	5	5	4	6	9	7	7	6	5	6	5	5	5	5	7	7	5	5	5	5	6
18	9	8	8	9	8	8	6	7	7	7	6	4	3	3	3	4	3	4	4	5	5	6	7	8	5
19	6	6	6	5	6	6	6	7	8	8	6	4	3	3	3	4	3	4	4	5	5	5	5	5	6
20	7	6	6	6	6	6	6	9	12	15	15	-	9	8	6	7	6	6	7	8	7	11	12	11	8
21	7	4	4	5	5	6	6	8	9	10	9	8	7	6	5	6	6	5	5	6	4	5	4	4	6
22	5	4	4	4	4	3	5	7	9	7	4	4	5	4	3	4	4	4	5	5	4	4	5	5	7
23	6	4	5	5	5	5	6	8	12	11	12	12	8	-	8	7	7	6	6	6	6	6	6	5	7
24	6	6	5	4	5	3	3	4	5	4	4	4	4	3	3	4	7	7	8	8	6	6	6	5	5
25	6	5	4	2	2	2	3	5	5	6	6	6	7	6	5	5	3	3	3	4	4	4	4	3	3
26	8	6	5	4	2	2	3	2	3	2	2	2	2	2	2	2	3	4	4	4	5	5	5	5	5
27	5	5	4	5	4	3	5	6	6	6	5	4	4	3	3	4	4	4	4	5	5	5	5	4	7
28	4	5	5	5	5	5	6	11	15	12	10	7	8	7	8	7	7	6	5	5	5	5	4	7	
MEAN	6	6	5	5	5	4	5	7	8	9	8	6	6	6	6	6	6	6	6	6	6	6	6	7	6.1

PERCENTAGE OF DATA VALID - 98.4 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 1.6

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. -.- INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO														MONTH - MAR 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	16	15	9	6	6	7	10	14	14	8	6	6	5	4	5	4	5	6	6	7	4	4	5	7
2	5	5	5	5	3	2	4	7	8	11	7	4	3	-	3	3	4	4	6	6	7	6	7	8	5
3	7	10	12	11	9	5	4	4	4	5	5	6	7	8	9	7	7	6	7	7	5	5	6	4	7
4	3	4	4	3	2	1	2	2	2	2	3	2	3	2	2	2	3	3	3	4	4	4	4	6	3
5	6	6	5	4	4	4	4	5	4	2	2	2	2	2	2	2	2	3	3	3	4	3	5	5	4
6	4	4	4	3	3	5	7	10	13	16	17	-	17	14	12	8	4	5	5	5	6	5	6	5	8
7	4	4	2	2	2	3	3	5	10	10	7	5	4	4	4	3	5	5	4	6	6	7	8	7	5
8	6	5	5	4	5	5	7	12	19	11	6	5	5	4	4	4	5	5	6	6	11	13	16	25	8
9	29	32	22	19	14	15	11	16	18	16	13	-	-	8	9	12	8	7	6	7	6	7	9	10	13
10	6	9	9	8	8	7	11	16	15	11	6	7	8	8	8	8	7	11	9	10	13	12	11	11	10
11	16	14	12	8	7	9	10	10	8	5	5	6	6	5	5	7	7	7	9	7	7	6	8	7	8
12	7	6	4	4	4	5	5	5	4	3	2	2	4	4	3	3	3	3	5	5	7	8	7	8	5
13	8	5	9	14	14	11	18	28	27	14	9	-	9	9	10	9	8	7	7	6	4	5	6	6	11
14	6	6	5	3	3	3	5	7	9	11	12	8	6	5	8	5	4	5	4	4	4	3	4	4	6
15	4	3	3	3	2	1	3	4	4	4	3	5	4	3	3	3	3	4	6	5	6	5	5	5	4
16	3	3	2	2	4	4	4	9	10	6	4	-	5	5	5	5	5	5	4	4	4	4	4	4	5
17	3	4	2	5	5	4	4	4	4	4	4	5	7	7	7	7	6	6	5	6	6	5	4	5	5
18	5	3	4	2	2	3	3	4	4	3	3	3	3	3	4	4	4	4	3	3	4	3	3	3	3
19	4	4	3	2	2	2	2	3	2	3	3	3	2	2	2	2	3	2	2	2	2	2	2	2	2
20	3	2	2	2	2	3	5	9	5	4	3	4	3	4	5	4	4	4	4	4	4	4	5	6	4
21	5	8	7	6	7	5	7	15	17	21	18	17	16	11	10	7	6	5	5	5	4	3	3	3	9
22	2	2	3	3	3	2	2	5	5	4	4	-	6	7	7	8	8	9	9	8	8	7	6	6	5
23	4	2	2	2	2	3	5	8	7	5	3	3	-	3	3	3	3	4	4	6	6	7	4	3	4
24	3	3	3	1	1	1	1	3	3	3	3	3	3	3	3	3	3	4	4	5	5	7	5	5	3
25	6	5	5	6	6	5	6	6	5	3	3	3	3	3	3	3	4	4	4	4	4	3	3	3	4
26	3	3	2	2	1	1	1	1	3	2	2	3	3	3	3	3	4	4	4	4	4	3	3	3	3
27	2	2	2	2	4	4	4	5	7	7	6	7	5	4	4	5	5	5	5	6	5	5	5	3	5
28	3	2	3	3	3	3	4	7	7	7	7	7	5	5	5	7	6	6	7	9	11	8	7	7	6
29	9	9	5	4	2	2	3	4	4	3	3	4	3	3	3	3	3	3	4	5	5	5	4	4	4
30	3	3	3	5	3	3	4	8	11	15	14	9	7	-	3	3	4	4	5	5	6	5	5	5	6
31	5	5	5	5	3	3	5	14	9	12	7	6	6	7	7	7	7	5	5	5	4	4	3	4	6
MEAN	6	6	5	5	4	4	5	8	8	8	6	5	6	5	5	5	5	5	5	5	6	5	6	6	5.6

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 1.2

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO													MONTH - APR 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	4	5	5	7	8	7	4	5	4	2	2	3	3	3	3	3	1	2	2	2	1	2	2	4
2	1	2	1	1	1	1	1	1	1	1	2	2	3	3	3	3	3	3	3	5	7	7	8	10	3
3	10	5	1	1	1	1	2	2	4	4	4	4	6	5	5	4	5	6	4	4	4	4	4	5	4
4	4	4	4	4	5	5	5	10	7	7	5	6	9	12	12	12	10	8	10	12	14	5	3	8	8
5	2	2	1	1	2	2	2	4	5	4	3	3	3	3	3	3	3	3	4	4	6	8	7	8	4
6	8	8	9	12	9	8	7	6	5	3	3	3	-	-	-	4	4	4	4	4	4	4	4	4	6
7	4	4	4	5	5	5	3	4	4	4	4	4	4	3	3	3	3	3	3	3	2	3	3	2	4
8	3	3	3	1	1	1	1	1	1	1	3	2	2	2	2	3	3	3	3	3	4	4	4	5	3
9	5	5	4	3	3	2	1	2	2	2	2	2	3	5	5	6	6	5	6	7	9	11	9	7	5
10	11	7	5	5	3	3	4	4	4	4	4	5	5	4	4	4	4	4	4	4	3	3	3	4	4
11	4	2	3	2	2	3	6	11	14	9	21	24	22	7	4	3	3	4	4	6	3	4	4	4	7
12	2	2	2	1	1	2	3	5	5	5	5	7	8	6	11	11	13	15	9	6	6	3	3	3	6
13	15	19	7	6	5	5	6	5	3	3	3	3	3	-	-	3	3	3	3	3	2	2	2	2	5
14	2	2	2	1	1	1	2	3	3	3	2	2	3	3	3	3	3	3	3	2	4	2	3	4	3
15	5	4	5	4	3	2	2	1	1	1	1	2	3	3	3	3	3	3	3	4	4	4	4	4	3
16	4	5	5	4	3	2	3	3	3	3	2	3	4	5	4	4	4	4	4	4	5	4	5	6	4
17	6	4	3	2	2	4	6	5	8	13	10	-	6	6	6	6	6	7	5	6	9	5	6	7	4
18	10	8	7	6	5	4	4	5	5	4	3	4	4	4	4	4	4	4	4	4	2	2	2	2	3
19	2	2	2	2	1	1	2	2	4	5	4	4	5	5	4	4	4	4	4	4	3	3	2	2	3
20	2	4	4	2	2	2	2	4	5	5	4	5	5	-	5	7	7	6	5	4	4	4	4	4	4
21	4	2	2	2	1	1	3	3	4	4	3	3	4	3	3	3	3	4	4	5	5	5	5	5	3
22	4	4	4	3	2	2	2	3	3	3	3	3	2	3	3	3	3	3	3	2	3	4	4	5	3
23	7	7	7	4	5	8	6	5	3	5	3	3	3	3	4	3	4	4	5	8	7	9	19	14	6
24	13	12	10	9	5	4	4	10	8	5	6	7	7	9	9	7	9	4	4	5	6	8	7	6	8
25	5	4	4	3	4	3	4	8	6	5	4	3	4	3	4	4	4	5	4	5	6	7	10	15	5
26	9	7	6	5	5	4	5	8	6	5	5	4	4	6	5	5	5	5	6	9	7	9	11	6	4
27	6	5	5	4	2	2	3	6	8	6	5	4	7	-	7	7	6	5	4	5	4	4	4	5	5
28	5	4	3	2	2	3	3	5	5	4	3	3	3	3	3	3	3	4	4	4	8	8	8	7	4
29	1	2	1	1	0	0	2	3	4	4	3	2	2	1	2	2	2	2	2	3	3	3	4	4	2
30	4	2	2	2	2	1	2	1	1	1	1	1	2	2	2	2	2	2	2	2	3	4	4	2	2
MEAN	5	5	4	3	3	3	3	4	5	4	4	4	5	4	4	4	5	4	4	5	5	5	5	5	4.4

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 1.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY









ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO													MONTH - NOV 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	4	3	2	2	2	2	8	15	14	5	5	4	4	4	4	6	6	6	6	7	12	11	9	6
2	7	5	4	5	4	4	4	9	13	12	7	5	8	9	5	4	6	8	8	7	9	9	8	15	7
3	11	12	14	21	24	22	18	29	26	16	-	10	8	8	9	8	8	9	12	11	10	18	21	38	16
4	49	26	20	18	18	17	17	18	15	15	12	9	9	8	9	14	15	11	9	23	37	48	46	47	21
5	42	29	25	34	32	13	10	8	8	9	7	7	4	5	4	4	3	4	4	5	4	4	3	3	11
6	4	3	3	3	3	3	5	12	19	7	5	5	4	4	4	4	5	8	10	7	8	9	7	5	5
7	3	1	1	1	1	1	3	5	5	6	5	-	5	4	4	4	5	8	6	5	5	6	7	4	9
8	8	10	12	9	6	10	14	17	20	14	15	10	9	7	7	9	8	8	6	5	5	6	7	9	5
9	4	4	4	2	2	3	4	9	9	9	8	8	9	9	9	11	11	9	9	15	17	14	14	16	9
10	8	13	12	11	7	7	9	16	21	10	8	6	6	7	7	7	8	7	5	6	6	7	7	7	9
11	7	9	11	11	17	12	5	8	10	9	5	6	6	7	11	13	12	6	5	4	4	4	4	2	8
12	4	4	3	3	2	1	1	2	3	3	3	3	5	5	4	3	3	3	7	9	10	8	7	4	4
13	4	4	4	4	4	4	7	12	14	14	9	5	5	6	6	7	10	11	9	7	4	5	4	4	7
14	4	4	4	4	2	2	2	2	4	6	6	4	-	4	3	3	3	3	4	3	3	2	2	2	3
15	3	2	2	2	2	2	4	5	7	7	6	5	5	5	6	6	6	8	12	14	19	19	18	7	7
16	17	14	11	7	4	4	4	9	10	9	6	-	4	4	4	4	5	8	7	5	5	3	4	4	7
17	3	3	3	3	3	3	4	6	6	7	7	8	7	8	9	13	12	8	5	4	5	4	4	4	6
18	4	3	3	2	2	2	2	1	1	3	3	3	3	3	3	4	4	7	6	6	5	4	3	4	3
19	3	3	3	2	2	2	2	3	1	1	1	1	2	2	2	2	3	3	4	3	3	3	3	3	2
20	1	1	1	1	1	1	3	5	6	6	4	-	4	5	4	6	7	5	5	4	5	5	3	3	4
21	3	3	3	3	3	3	5	8	12	12	9	8	9	7	6	6	6	6	8	8	11	16	19	17	8
22	13	9	5	2	2	2	4	5	6	6	6	5	5	5	6	6	6	7	6	5	5	5	4	5	5
23	5	5	4	3	3	3	4	7	8	7	-	-	-	9	11	11	7	8	9	8	9	6	5	7	3
24	5	4	4	4	4	4	5	7	10	9	8	-	-	6	6	5	7	7	6	5	3	2	2	2	5
25	2	2	1	1	1	1	3	3	3	3	4	3	4	3	3	4	4	4	5	5	5	5	5	5	3
26	5	5	5	4	3	3	3	3	3	3	3	3	4	4	4	5	5	5	8	6	7	8	7	2	5
27	2	3	3	4	3	3	2	3	3	3	3	3	3	3	3	4	5	6	6	5	7	7	6	5	4
28	5	5	4	4	5	5	5	9	12	14	12	8	9	8	13	9	9	12	7	8	6	6	7	5	8
29	4	4	4	4	5	5	5	7	8	8	7	-	7	7	8	6	7	6	5	5	5	5	6	8	6
30	5	4	4	4	3	3	3	5	4	4	3	4	3	3	3	4	5	4	5	5	6	5	6	6	4
MEAN	8	7	6	6	6	5	5	8	9	8	6	6	6	6	6	6	7	7	6	7	8	9	8	9	6.8

PERCENTAGE OF DATA VALID - 98.5 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 1.5

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO													MONTH - DEC 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6	4	4	4	4	4	4	7	8	12	12	10	15	12	11	7	8	15	12	7	7	7	5	5	8
2	3	2	1	2	2	3	4	4	5	5	5	4	3	3	4	3	4	5	6	9	9	10	7	8	5
3	8	8	7	6	5	3	3	3	3	3	3	3	3	4	5	5	6	5	6	5	6	7	9	6	5
4	4	5	5	3	4	3	4	4	7	6	4	5	5	5	-	5	6	5	4	3	3	3	3	4	4
5	4	3	3	3	2	3	3	6	8	7	5	5	5	7	6	-	8	6	7	6	6	6	5	3	5
6	5	4	4	4	3	5	5	10	16	7	6	6	-	4	5	5	5	6	6	5	5	4	3	3	5
7	4	2	2	4	4	3	6	6	7	6	6	-	7	6	6	7	9	7	6	6	6	7	9	5	5
8	11	10	8	9	10	9	11	13	14	9	-	7	6	6	7	9	7	7	6	6	6	5	3	5	8
9	4	4	4	4	4	2	4	4	5	3	3	3	3	3	3	3	4	4	4	4	3	3	3	4	4
10	3	3	3	2	2	2	2	1	3	2	3	2	2	2	2	3	3	3	4	4	4	4	3	3	3
11	4	3	3	3	3	4	6	8	12	9	11	-	-	10	10	7	8	9	9	8	6	5	4	5	7
12	5	6	5	5	5	4	5	6	10	10	7	5	5	7	9	11	10	7	6	5	5	5	5	5	6
13	4	4	4	4	4	4	4	7	7	5	6	6	6	5	3	4	5	5	3	3	3	3	4	3	4
14	1	1	1	1	1	1	2	6	10	8	8	5	4	4	6	6	10	11	10	12	10	9	7	4	6
15	4	4	4	4	5	5	6	7	8	-	-	5	6	6	7	8	10	8	7	6	10	12	11	5	7
16	5	4	4	4	5	5	6	7	8	10	10	8	7	6	9	8	8	8	8	10	8	7	7	5	7
17	5	5	4	3	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	2	2	2
18	2	2	2	1	2	2	4	8	12	9	6	5	-	6	4	6	5	5	5	5	5	3	4	4	5
19	2	2	2	2	2	2	2	5	8	6	4	4	4	4	5	4	5	7	5	5	6	4	6	8	4
20	9	8	7	7	5	3	3	4	5	6	4	5	5	5	6	6	5	5	5	5	6	6	6	7	6
21	7	6	4	3	3	3	3	3	3	-	-	3	3	3	4	4	5	7	8	6	6	5	5	5	5
22	5	6	4	3	3	4	4	6	10	8	6	5	7	7	7	8	7	9	6	6	7	4	4	3	6
23	2	2	2	3	3	2	3	4	5	5	3	3	3	3	3	4	5	7	10	7	7	10	9	10	5
24	12	14	11	5	4	3	3	3	3	3	3	4	4	5	5	4	6	4	4	4	4	4	4	4	5
25	4	4	3	4	4	4	4	4	3	4	4	5	3	2	3	3	3	3	3	3	3	3	3	3	3
26	2	2	2	1	2	2	2	3	3	4	5	3	5	4	4	4	4	4	4	4	4	4	3	4	3
27	4	4	3	2	1	1	4	4	5	-	4	4	5	5	4	5	6	6	6	5	5	5	5	6	4
28	5	3	3	4	4	4	4	6	10	8	5	-	6	7	9	12	13	15	14	11	8	7	6	9	
29	8	6	6	5	7	7	8	12	20	20	-	20	10	5	6	7	6	12	11	8	4	4	4	6	9
30	7	4	3	3	4	3	4	5	5	4	5	5	6	6	6	8	9	9	10	12	14	10	14	12	7
31	12	10	7	8	7	7	7	8	10	8	8	8	9	8	6	8	7	8	7	7	8	7	7	8	8
MEAN	5	5	4	4	4	3	4	6	8	7	5	5	5	5	5	6	6	7	7	6	6	6	5	5	5.4

PERCENTAGE OF DATA VALID - 98.1 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 1.9

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	30	5.9	12	29
FEB	28	6.1	10	19
MAR	31	5.6	13	32
APR	30	4.4	8	24
MAY	31	5.3	10	29
JUN	30	3.9	8	20
JUL	31	3.9	7	24
AUG	31	7.5	13	32
SEP	30	5.4	11	44
OCT	31	5.2	10	34
NOV	30	6.8	21	49
DEC	31	5.4	9	20
YEAR	364	5.4	21	49

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	402	241	67	4	0	0	0	714
FEB	314	295	52	0	0	0	0	661
MAR	465	204	59	6	1	0	0	735
APR	561	123	24	3	0	0	0	711
MAY	494	179	60	2	0	0	0	735
JUN	564	130	18	0	0	0	0	712
JUL	574	145	15	1	0	0	0	735
AUG	314	283	116	18	2	0	0	733
SEP	460	186	50	8	0	1	0	705
OCT	494	197	37	4	1	0	0	733
NOV	387	220	82	11	4	5	0	709
DEC	445	246	39	0	0	0	0	730
YEAR	5474	2449	619	57	8	6	0	8613

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
98.3	0	1.5	2.9	4.0	5.6	9.1	11.9	16.0	19.1	49	5.4

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31105

HYDRO SS SHERBOURNE/WILTON ST. TORONTO

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	3	3	3	3	4	3	3	3	3	3	4	3	3	3	3	3	3	3	3	3	3	3
2	3	3	3	3	4	4	5	5	7	6	6	6	6	5	5	6	7	7	5	5	4	4	4	5	5
3	4	3	3	3	3	3	5	9	11	9	-	8	7	6	5	5	6	7	7	7	7	7	7	8	6
4	5	3	3	4	5	5	7	12	6	6	6	5	7	7	7	10	15	15	10	10	10	11	9	8	8
5	6	6	6	6	5	6	8	16	25	21	19	14	15	12	17	22	18	15	14	12	11	15	14	11	13
6	9	6	5	3	3	3	5	6	6	7	7	-	8	7	9	19	14	7	5	10	10	9	5	3	7
7	4	4	3	3	4	5	6	6	4	4	4	5	11	10	8	7	7	6	5	5	5	4	4	5	5
8	5	5	5	4	4	4	4	5	5	5	10	16	16	8	8	12	12	20	17	11	9	6	5	4	8
9	4	4	2	2	3	3	3	3	4	4	4	4	3	4	4	4	6	7	5	4	3	3	3	3	4
10	3	3	3	3	3	3	4	5	6	6	6	-	6	6	5	5	5	5	5	4	3	3	3	3	4
11	4	5	5	5	4	3	3	7	8	9	11	8	7	8	9	7	8	11	12	10	11	12	12	11	8
12	8	5	3	3	3	5	7	11	14	16	19	23	7	12	17	22	17	14	10	12	9	15	15	11	12
13	13	11	10	4	4	4	7	14	18	23	31	23	20	26	27	28	23	17	14	15	14	12	9	3	15
14	3	3	4	3	3	10	13	12	7	4	6	6	5	5	5	5	6	6	6	7	7	6	5	5	6
15	5	6	5	4	3	3	4	5	5	4	4	4	4	4	4	4	4	4	5	4	4	5	5	5	4
16	6	4	3	3	3	3	3	6	16	19	12	9	10	11	12	11	14	10	8	7	8	10	14	11	9
17	9	13	12	9	7	8	13	17	22	21	15	11	10	8	-	9	9	7	5	4	4	4	4	4	10
18	4	3	4	3	3	3	7	11	13	-	12	12	13	10	10	12	15	18	18	16	14	14	16	16	11
19	12	12	15	17	17	17	27	39	53	54	36	34	19	12	16	15	18	14	14	12	14	11	9	7	21
20	3	3	2	2	2	3	5	10	13	20	25	19	20	19	19	14	8	6	6	5	5	5	6	7	9
21	9	9	7	8	8	6	7	7	7	8	8	10	10	7	6	5	8	8	9	13	14	19	23	17	10
22	15	18	27	22	12	7	4	6	8	10	10	8	7	7	7	8	10	8	9	9	7	7	7	7	10
23	6	6	6	6	5	5	7	11	14	15	13	-	6	7	9	9	11	12	10	9	8	8	9	10	9
24	9	7	4	5	6	6	10	15	16	17	8	8	9	9	10	12	15	18	9	8	6	6	7	12	10
25	18	12	9	7	7	7	21	47	39	35	31	-	20	20	17	16	12	7	6	5	4	4	4	4	15
26	3	4	5	3	4	5	8	6	4	3	-	5	8	3	3	3	2	2	2	4	5	3	4	4	4
27	4	5	9	5	4	5	5	8	9	12	9	-	10	9	8	10	10	8	7	6	5	5	6	5	7
28	4	4	3	3	5	5	4	5	4	4	4	5	6	6	5	5	5	5	6	9	6	6	6	7	5
29	5	5	5	5	5	5	5	5	5	5	6	4	5	5	5	3	4	5	5	5	6	5	6	6	5
30	7	7	6	5	5	5	7	10	12	13	7	7	7	6	5	6	6	8	9	8	6	6	6	7	7
31	5	4	4	3	4	5	8	11	15	12	9	11	10	10	9	-	10	11	10	6	4	4	5	4	8
MEAN	6	6	6	5	5	5	7	11	12	13	11	10	9	9	9	10	10	9	8	8	7	8	8	7	8.3

PERCENTAGE OF DATA VALID - 98.5

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 1.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31105

HYDRO SS SHERBOURNE/WILTON ST. TORONTO

MONTH - FEB 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	4	3	3	3	3	5	6	8	9	8	7	6	5	5	5	7	9	8	7	7	6	7	10	6
2	6	7	6	7	7	11	15	17	20	21	14	13	11	10	10	11	12	11	10	9	8	7	6	7	11
3	11	8	6	7	10	11	14	28	24	27	20	12	7	6	8	9	13	12	7	9	9	8	7	8	12
4	9	7	6	6	8	7	10	9	9	8	10	7	9	9	11	-	9	11	16	19	16	17	18	20	11
5	17	15	15	14	17	10	4	3	6	7	7	4	3	4	5	6	5	5	5	5	6	5	6	4	7
6	3	3	3	5	7	6	6	9	11	10	9	11	9	7	9	11	12	10	9	8	7	5	5	5	8
7	5	5	4	5	5	6	8	9	12	12	12	11	11	11	10	13	14	14	12	12	12	12	10	9	10
8	9	8	6	7	6	8	11	13	19	16	12	-	13	12	11	16	14	15	15	14	17	15	13	11	12
9	10	11	11	8	8	17	13	15	20	17	14	10	9	8	8	8	12	12	9	9	10	7	6	7	11
10	8	8	8	6	7	8	10	19	28	25	26	-	19	19	16	15	10	9	8	7	6	5	5	8	12
11	11	10	8	4	5	5	6	7	8	8	7	6	6	5	4	5	7	5	4	5	5	6	7	8	6
12	6	3	3	3	3	3	5	3	3	3	3	4	6	4	3	3	3	4	4	5	5	5	6	4	4
13	6	8	6	3	3	3	6	10	8	8	8	-	9	8	10	10	10	6	6	5	6	5	8	11	7
14	6	5	5	4	5	5	7	13	18	17	16	11	-	-	-	7	8	8	14	14	13	9	11	11	10
15	9	8	7	7	8	8	13	22	23	18	11	8	6	7	7	9	10	10	9	7	9	9	12	8	10
16	4	4	4	3	3	4	5	6	10	15	14	-	9	9	8	7	12	10	13	10	6	6	8	9	8
17	5	4	3	3	3	4	5	9	9	8	8	8	8	10	10	8	10	11	11	8	11	10	10	10	8
18	11	12	9	9	8	6	7	9	10	12	10	12	9	7	7	6	5	5	7	7	7	5	5	5	8
19	5	7	6	7	6	8	9	7	7	6	3	3	3	3	4	5	5	5	5	5	5	6	9	11	6
20	8	6	6	6	6	6	10	17	20	20	17	-	9	8	8	9	11	10	10	11	9	15	16	17	11
21	13	8	6	5	9	10	11	15	17	15	12	14	13	8	7	8	9	9	7	8	7	7	7	8	10
22	8	7	8	4	5	5	6	9	9	6	6	5	6	5	5	6	6	6	6	5	5	5	6	11	6
23	8	5	6	5	5	6	7	13	21	16	-	15	11	9	9	10	11	11	10	9	7	8	7	8	9
24	10	8	6	5	6	6	6	8	15	-	13	6	6	5	7	9	13	13	11	12	10	8	9	9	9
25	9	8	7	4	4	5	7	9	6	6	4	5	6	7	7	7	8	7	7	8	7	9	11	7	7
26	12	9	8	6	5	4	5	4	3	3	3	3	3	3	3	4	5	5	5	5	5	5	5	5	5
27	7	6	5	5	5	7	7	10	10	9	6	6	-	6	6	7	7	8	6	5	5	6	8	9	7
28	7	9	9	8	7	6	10	18	21	22	13	9	9	8	7	10	12	15	13	10	7	5	7	7	10
MEAN	8	7	6	6	6	7	8	11	13	13	11	8	8	8	8	8	9	9	9	9	8	8	8	9	8.6

PERCENTAGE OF DATA VALID - 98.2

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 1.8

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY







ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION										
		STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO														MONTH - JUL 78										
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		6	6	3	4	4	4	6	8	4	4	4	4	3	2	3	3	3	4	5	5	9	5	10	17	5
2		16	10	8	4	4	4	2	3	3	2	3	3	2	3	3	3	3	3	3	3	3	3	3	3	4
3		2	2	2	2	2	2	2	2	2	2	2	2	3	5	3	3	3	3	3	3	2	3	3	2	3
4		2	2	2	2	2	5	8	6	6	4	-	5	4	6	6	6	6	5	3	5	5	13	19	14	6
5		20	24	27	23	20	28	28	23	15	8	-	6	7	9	6	6	6	5	5	6	6	7	8	5	13
6		5	8	5	4	8	14	20	17	11	9	8	6	7	6	7	7	7	6	7	9	9	8	9	6	8
7		9	5	5	5	7	13	14	9	7	7	7	7	7	7	6	7	6	5	6	8	8	7	8	8	7
8		7	6	5	5	4	5	5	5	5	5	4	4	5	4	4	3	2	2	3	3	3	4	4	4	4
9		5	4	4	4	4	5	4	4	4	4	4	4	4	4	5	4	4	3	3	4	5	7	5	5	4
10		4	3	4	4	3	3	4	5	4	-	3	3	4	3	3	3	4	3	4	3	3	3	4	4	4
11		3	3	3	4	6	7	9	10	7	5	5	5	4	4	6	5	6	3	4	4	5	7	5	7	5
12		4	3	3	3	7	9	20	25	17	10	9	6	6	6	5	7	6	6	5	7	7	7	9	8	8
13		8	10	8	9	12	11	14	10	8	7	7	7	6	6	7	7	5	9	14	11	9	13	15	19	10
14		8	7	4	5	7	9	12	12	14	11	-	8	6	6	7	6	6	6	7	6	10	8	9	9	8
15		6	9	6	7	11	14	15	12	8	6	6	6	4	4	4	4	4	5	5	4	5	5	6	5	7
16		5	3	3	3	3	3	3	4	4	3	4	4	3	4	4	4	4	3	3	3	4	5	7	8	4
17		7	7	5	4	4	6	11	11	9	-	6	5	7	5	4	5	4	5	5	7	8	10	7	8	7
18		6	7	7	7	7	7	18	35	16	16	10	7	8	7	8	7	7	4	4	5	5	8	12	5	9
19		5	6	4	3	4	8	15	14	12	9	-	4	5	5	4	5	6	9	13	8	16	20	14	14	9
20		7	3	5	5	4	10	11	11	-	-	9	6	7	6	7	8	6	4	5	9	13	21	21	10	9
21		7	5	4	5	8	15	26	13	13	13	12	9	5	12	15	16	12	16	10	7	9	16	12	14	11
22		12	14	10	9	11	12	15	10	7	4	4	3	3	2	3	3	4	3	7	7	10	8	7	4	7
23		3	2	2	2	2	2	3	3	3	3	3	1	1	1	1	2	3	3	3	5	4	6	5	5	3
24		4	4	4	4	5	11	19	25	15	7	-	5	4	4	6	6	7	6	6	3	3	4	-	5	7
25		3	5	-	10	7	11	17	9	8	7	5	5	5	6	4	5	4	3	2	2	3	5	6	4	6
26		2	2	1	2	4	5	9	9	4	4	4	3	4	5	5	5	6	7	9	10	2	6	5	4	5
27		2	2	1	2	3	4	12	15	11	9	6	-	6	6	11	10	7	7	15	21	13	5	3	3	8
28		3	3	4	4	3	4	6	8	7	6	5	5	6	7	7	7	7	7	6	6	5	8	13	10	6
29		9	8	6	5	5	6	10	6	5	4	6	7	7	8	8	16	13	4	4	4	3	4	4	4	7
30		5	3	2	4	2	2	3	4	4	2	4	4	4	4	4	5	4	3	3	5	4	7	7	7	4
31		5	2	2	3	3	9	8	6	5	6	7	7	6	5	7	8	9	8	8	8	6	12	19	17	7
MEAN		6	6	5	5	6	8	11	11	8	6	6	5	5	5	6	6	6	5	6	6	6	8	9	8	6.6

PERCENTAGE OF DATA VALID - 98.4 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION										
		STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST.TORONTO														MONTH - AUG 78										
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		16	15	13	18	21	29	34	22	14	10	9	7	7	-	8	6	8	5	6	6	7	11	13	18	13
2		23	22	12	16	16	26	37	32	17	9	8	8	8	7	7	8	11	10	6	9	5	8	9	4	13
3		3	3	3	2	5	6	9	11	12	11	14	15	9	7	4	8	12	10	11	9	5	6	6	7	8
4		5	5	3	5	5	7	10	6	9	12	10	9	8	10	11	7	6	6	5	5	7	15	16	10	8
5		19	20	17	21	19	20	18	13	8	8	7	3	4	4	4	4	4	6	6	3	3	7	8	10	10
6		13	13	14	14	16	18	21	19	15	11	8	9	9	7	4	4	5	6	6	8	15	20	25	12	8
7		29	24	16	13	8	7	7	10	8	4	4	5	6	5	6	5	5	4	4	5	3	7	9	9	8
8		5	5	5	4	6	14	19	14	15	11	7	6	5	7	8	5	5	4	4	6	6	8	7	4	6
9		2	3	2	2	2	6	11	11	10	8	9	9	9	9	8	11	12	8	11	7	6	7	7	6	7
10		5	4	3	4	5	5	8	15	12	9	7	6	-	-	6	6	5	5	4	6	9	8	11	20	7
11		21	21	17	14	12	14	19	21	14	11	9	8	8	6	6	7	6	5	5	6	6	6	10	19	11
12		19	20	18	17	14	13	18	18	13	11	9	7	6	5	4	4	3	3	4	5	7	7	6	8	10
13		7	5	6	6	7	10	12	12	11	6	6	5	4	4	3	3	3	3	4	5	7	9	13	14	7
14		17	17	11	9	10	17	26	23	26	18	12	10	8	6	5	5	7	6	6	6	7	9	11	8	12
15		6	5	5	4	5	7	12	13	11	12	13	12	9	-	6	6	6	5	6	8	7	5	6	5	4
16		4	3	3	3	4	4	5	6	6	5	5	6	4	4	4	4	4	4	4	4	3	3	3	5	4
17		3	3	3	3	3	4	6	6	5	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	9
18		6	11	14	12	9	11	14	22	20	-	9	8	8	9	8	7	6	6	6	6	4	5	5	5	9
19		5	5	5	5	6	7	8	7	6	7	6	4	4	4	4	4	4	4	4	6	6	3	3	4	5
20		4	3	3	3	4	4	5	5	5	5	4	4	3	3	4	4	5	4	4	5	6	5	6	6	4
21		7	6	5	7	7	6	11	18	19	16	12	9	9	9	8	9	9	8	8	7	8	8	12	18	10
22		23	26	25	23	21	21	26	39	28	18	14	10	8	6	8	10	10	8	8	9	10	12	13	15	16
23		24	29	15	8	8	15	26	43	38	19	13	11	10	8	8	10	8	7	6	7	9	10	9	8	15
24		8	7	6	6	5	7	9	14	16	16	18	15	15	15	15	13	10	7	5	5	4	4	5	5	10
25		5	5	4	4	4	7	11	14	15	-	12	10	9	8	8	9	10	10	10	9	10	12	15	16	9
26		15	12	9	6	5	5	6	7	7	9	9	8	5	4	4	4	5	5	6	9	13	12	9	8	8
27		8	9	9	5	3	2	3	5	5	3	2	2	2	2	2	2	3	3	3	3	3	4	4	4	4
28		3	3	3	3	3	7	13	15	12	10	-	7	9	8	8	6	6	5	7	6	5	3	3	3	6
29		3	3	3	3	4	6	10	11	12	11	9	7	5	5	5	5	4	3	3	4	5	9	9	11	6
30		8	11	8	6	7	14	33	32	20	-	16	10	8	10	11	9									
31		5	5	5	6	3	6	21	18	19	9	10	9	11	9	8	9	7	7	7	10	13	13	21	14	10
MEAN		10	10	9	8	8	10	15	16	14	10	9	8	7	7	6	6	6	6	6	6	6	8	9	10	8.8

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 31105														HYDRO SS SHERBOURNE/WILTON ST. TORONTO											
														MONTH - SEP 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	20	15	10	5	4	4	11	14	13	8	13	9	9	6	7	7	8	8	9	9	7	8	13	10	9
2	9	9	7	5	6	7	10	9	9	5	5	6	4	4	5	5	4	3	4	4	9	8	8	5	6
3	5	5	4	2	3	4	3	4	5	5	5	5	5	4	5	5	4	4	3	3	2	2	3	3	4
4	3	3	1	2	3	2	4	7	4	3	2	2	2	3	2	3	3	4	10	9	4	6	6	7	4
5	6	7	7	10	11	10	14	13	12	13	11	14	11	9	7	8	5	5	5	5	4	4	4	4	8
6	4	4	2	3	3	6	9	15	9	10	6	3	2	2	4	4	11	10	6	4	5	6	2	2	6
7	2	2	2	2	3	5	8	11	7	6	6	6	8	11	10	9	7	4	3	3	1	3	3	4	5
8	3	2	1	1	1	5	12	13	12	10	8	6	6	7	7	5	6	6	9	12	10	8	8	8	7
9	7	7	5	3	3	3	4	5	4	4	3	5	7	5	6	5	4	5	6	6	5	5	3	3	5
10	3	2	1	1	1	1	3	3	3	3	3	4	5	3	3	4	3	5	5	7	6	14	19	23	5
11	19	23	16	17	15	39	96	85	66	18	17	15	9	8	12	12	10	11	10	7	7	9	7	7	22
12	4	5	4	3	1	3	9	7	7	5	5	5	7	7	6	8	6	6	3	4	4	3	3	2	5
13	3	2	3	3	3	7	13	6	5	5	4	5	4	5	6	7	6	5	5	4	4	4	4	3	5
14	2	2	2	2	2	5	11	10	11	8	7	9	12	9	11	13	12	11	9	8	3	3	4	4	7
15	4	4	4	4	4	8	20	24	14	8	9	7	6	5	5	6	9	9	6	6	8	8	6	8	5
16	5	5	4	4	5	7	7	8	5	5	4	3	2	3	4	4	5	4	5	6	5	6	7	5	8
17	6	8	7	8	7	4	6	4	3	4	3	4	5	6	3	3	2	3	2	4	4	5	8	6	5
18	3	1	1	1	2	5	9	8	8	5	6	5	7	5	7	7	5	4	3	4	4	6	7	4	8
19	5	4	2	4	6	10	17	25	-	-	-	-	11	13	11	8	8	10	5	5	4	6	7	4	8
20	4	3	4	4	5	11	20	11	12	12	-	-	6	11	8	11	7	9	5	7	11	11	16	13	9
21	11	16	13	14	12	30	64	63	38	13	8	8	8	7	9	9	7	3	6	5	3	5	6	5	15
22	5	4	2	2	2	6	12	20	11	9	13	11	12	-	7	10	9	6	9	11	9	7	8	9	8
23	8	9	8	9	6	7	12	16	20	6	5	5	5	4	4	4	5	7	6	6	5	5	4	5	7
24	10	26	29	18	12	9	12	14	15	7	4	6	5	4	3	4	3	3	6	17	9	8	5	3	10
25	4	3	2	4	4	5	10	11	8	5	5	4	-	6	7	7	6	5	6	5	5	5	8	6	6
26	8	8	6	5	5	13	22	11	11	10	7	9	9	10	6	4	4	4	4	4	4	5	4	3	8
27	3	4	7	4	7	11	13	17	10	9	6	6	5	5	5	6	5	5	9	5	4	3	3	3	6
28	3	3	1	3	5	7	12	16	10	9	7	6	6	6	7	7	5	4	8	10	8	10	11	9	7
29	14	17	20	22	25	29	48	60	31	10	11	9	7	-	-	9	6	5	4	5	3	4	5	6	16
30	5	3	2	2	2	4	12	9	5	4	3	4	4	4	4	3	3	3	5	3	4	2	2	2	4
MEAN	6	7	6	6	6	9	17	17	13	8	7	6	7	6	6	7	6	6	6	6	5	6	6	6	7.5

PERCENTAGE OF DATA VALID - 98.3

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 1.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 31105														HYDRO SS SHERBOURNE/WILTON ST. TORONTO											
														MONTH - OCT 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	2	1	3	3	2	1	1	3	1	1	2	4	2	4	4	4	4	6	10	11	3
2	6	4	2	5	6	11	21	27	16	12	7	7	7	9	8	9	8	7	9	8	7	7	19	5	9
3	4	4	2	4	4	6	11	12	10	11	9	9	9	7	10	10	8	5	5	4	4	6	6	4	7
4	4	2	3	2	2	5	11	10	16	15	15	12	8	7	8	8	7	7	7	8	11	10	12	7	8
5	8	9	9	4	3	10	22	20	15	10	12	11	12	11	13	12	10	7	5	6	4	2	6	4	9
6	3	4	2	2	3	6	9	7	6	5	7	8	-	-	15	9	8	11	10	7	7	3	3	3	6
7	3	3	2	3	1	2	3	3	3	3	3	3	4	5	4	5	5	5	5	4	4	4	5	6	4
8	6	5	3	3	3	3	4	3	3	3	3	3	3	3	3	3	3	4	5	6	5	5	7	4	4
9	5	5	7	13	13	17	21	20	15	8	4	4	4	4	4	4	6	8	9	8	11	10	14	11	9
10	6	5	4	4	6	14	30	36	22	21	14	8	10	12	11	14	10	10	6	7	13	24	25	16	14
11	14	14	10	36	31	29	37	31	22	16	15	13	13	10	14	18	16	10	8	7	7	7	4	4	16
12	2	2	2	2	3	6	14	11	8	13	12	10	9	-	12	9	13	8	10	6	5	6	12	8	8
13	5	5	7	7	4	10	17	19	13	9	8	10	11	9	11	7	8	6	6	4	4	6	5	8	8
14	4	5	4	3	4	4	6	7	7	6	6	7	5	4	6	5	5	6	5	5	6	8	10	6	6
15	8	8	5	2	3	3	4	7	5	5	4	3	4	5	4	6	6	4	4	6	6	9	10	8	5
16	5	3	4	4	6	8	17	16	10	5	6	8	9	11	9	8	4	9	15	22	26	22	21	11	11
17	20	15	11	10	10	14	31	45	32	36	15	9	9	12	13	12	14	13	10	4	6	7	8	13	15
18	9	11	18	16	10	20	26	29	21	21	13	12	13	12	12	17	21	19	14	13	8	9	15	10	15
19	7	4	4	5	5	9	16	28	22	8	7	12	10	12	12	19	17	13	9	8	6	5	5	10	10
20	5	5	5	6	11	20	33	48	35	21	10	6	-	10	10	9	9	7	8	7	8	10	12	11	13
21	12	11	9	7	8	10	21	12	9	9	6	6	7	8	6	6	7	8	14	11	11	10	12	9	9
22	6	5	2	3	2	3	4	5	6	5	5	5	5	5	5	7	10	11	7	11	11	18	18	7	7
23	5	3	4	5	6	5	11	11	12	9	8	10	8	7	8	5	4	4	5	4	6	8	9	7	7
24	10	9	11	15	15	22	19	23	12	12	10	9	8	9	10	9	10	10	6	8	9	5	6	5	11
25	6	4	4	6	7	14	21	15	14	12	13	9	10	9	12	13	15	13	14	8	6	6	7	5	10
26	4	4	3	4	6	11	11	15	18	14	10	8	11	10	8	7	13	10	9	8	5	10	7	7	9
27	4	4	3	4	4	6	13	21	19	15	10	10	-	-	14	9	13	13	13	13	13	9	8	12	10
28	8	8	5	6	6	11	9	7	8	6	5	4	4	3	3	6	6	7	9	5	5	6	7	10	6
29	9	9	7	7	6	6	6	4	4	4	3	3	4	3	2	3	3	3	6	7	8	6	6	7	5
30	3	2	2	3	3	4	10	16	15	11	8	13	11	11	11	14	15	16	14	27	39	8	10	11	12
31	7	6	6	8	6	9	14	30	37	26	24	21	20	19	20	21	10	7	5	6	5	5	5	5	13
MEAN	6	6	5	6	6	10	15	17	14	12	9	8	8	8	9	10	9	8	8	8	8	8	10	8	9

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO															MONTH - NOV 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6	6	5	4	4	5	9	18	30	31	10	9	8	8	6	10	15	14	12	12	12	21	21	12	12
2	11	9	5	4	4	5	10	17	27	22	16	14	12	11	16	10	18	26	21	15	12	12	31	34	15
3	42	25	37	37	34	43	42	69	102	29	21	17	-	-	17	13	16	13	14	16	23	24	20	15	30
4	45	39	19	18	15	9	14	14	11	20	15	14	16	19	15	14	19	31	37	23	22	26	39	28	22
5	20	17	26	31	22	21	15	18	8	10	9	7	8	9	9	10	9	11	14	12	8	9	7	6	13
6	5	2	4	3	4	7	15	29	36	14	12	12	14	11	11	13	11	12	6	5	4	11	9	12	11
7	9	4	4	4	3	4	7	13	16	12	10	8	8	7	9	10	12	14	13	12	11	10	11	10	9
8	12	10	13	10	10	20	39	63	97	25	18	11	9	8	8	12	11	11	8	5	7	10	11	7	18
9	9	7	4	3	3	4	5	11	21	24	14	13	15	12	-	19	23	13	10	23	27	35	19	18	14
10	17	21	29	16	10	10	16	40	21	13	10	7	9	10	10	13	14	11	9	11	9	6	7	7	14
11	8	8	11	14	18	9	9	11	14	19	19	9	10	9	11	13	24	8	7	6	5	3	3	3	10
12	4	3	4	3	3	3	3	3	2	2	4	4	6	3	5	7	6	3	3	4	6	7	6	5	4
13	6	4	4	4	4	5	7	16	12	11	15	14	13	15	18	17	19	17	18	20	12	8	9	9	12
14	7	7	5	4	4	6	8	19	23	19	11	10	12	-	6	7	7	6	5	6	4	5	5	5	8
15	4	4	3	4	4	3	5	10	16	10	8	9	9	8	8	9	10	8	10	9	9	28	28	30	10
16	35	33	19	14	7	9	13	24	18	14	13	11	10	8	8	9	11	13	7	5	6	6	7	5	10
17	6	4	4	4	4	4	7	16	14	13	14	13	15	14	16	19	15	13	7	5	6	6	7	9	6
18	6	6	3	3	3	3	4	3	3	4	4	4	5	4	4	6	7	11	11	11	8	7	9	6	6
19	8	5	5	4	2	4	4	6	3	3	3	3	3	3	3	3	3	4	4	5	6	4	4	5	4
20	7	5	5	3	3	3	5	8	11	9	8	8	8	7	10	11	9	11	7	8	5	5	5	5	7
21	5	4	15	15	14	26	22	14	15	14	9	10	10	10	9	12	12	8	9	6	5	18	18	16	12
22	14	10	3	2	2	4	9	14	14	13	10	11	12	13	12	16	15	11	10	7	8	6	7	6	10
23	6	7	5	4	6	7	12	20	15	13	13	12	11	-	15	15	12	10	15	14	11	10	8	7	11
24	6	5	4	4	4	4	5	9	13	13	10	10	7	-	7	9	10	8	9	6	3	3	3	3	7
25	4	5	3	3	3	3	3	4	5	6	7	7	8	7	6	6	7	7	6	7	9	7	4	5	6
26	5	5	4	4	4	3	3	3	3	4	3	3	4	5	4	4	5	7	10	7	6	6	5	5	3
27	3	3	1	1	1	3	4	6	7	5	5	6	6	7	8	9	8	6	4	5	8	7	7	6	5
28	9	8	10	6	6	10	11	15	14	17	16	12	10	13	21	19	22	21	12	10	8	5	6	5	12
29	6	4	4	5	6	5	6	11	11	-	9	9	10	11	10	9	8	8	7	7	7	7	7	8	8
30	8	6	6	5	6	6	4	5	9	8	7	6	5	7	7	7	8	7	6	7	5	7	6	6	6
MEAN	11	9	9	8	7	8	11	17	20	14	11	9	9	9	10	11	12	12	10	10	9	11	11	10	10.8

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 1.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO															MONTH - DEC 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6	5	5	5	4	4	7	12	14	15	14	14	17	18	-	9	11	19	16	12	13	11	7	6	11
2	7	6	5	4	5	4	4	6	7	7	5	5	4	5	5	8	8	8	9	11	8	6	6	6	6
3	4	6	8	6	5	2	3	1	1	1	3	3	4	5	5	9	9	7	6	6	8	10	14	6	8
4	17	8	6	4	3	6	7	8	12	12	9	7	6	7	7	8	8	11	8	7	5	6	5	8	9
5	5	5	4	3	3	5	8	11	12	10	11	11	12	12	14	14	13	12	11	10	8	10	10	6	9
6	6	7	6	4	6	6	8	16	24	16	11	11	8	8	8	11	11	10	7	6	6	5	5	4	9
7	4	4	4	4	4	5	10	12	11	10	10	9	12	12	11	11	9	9	7	8	6	7	7	8	8
8	9	13	11	11	11	10	13	14	15	12	-	12	12	11	11	19	16	13	9	8	7	7	6	5	11
9	6	4	4	4	4	4	4	7	6	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4
10	4	3	2	2	2	2	2	2	3	3	2	2	4	4	3	3	4	4	5	5	4	5	5	5	3
11	4	4	5	4	4	4	5	8	15	14	14	13	13	15	13	12	13	15	14	16	10	6	5	6	10
12	5	6	7	6	6	8	10	15	17	17	13	11	9	13	13	13	15	10	7	5	5	5	5	9	9
13	5	4	4	4	2	4	6	12	15	15	11	12	15	13	7	8	10	10	6	5	3	2	2	2	7
14	3	3	3	2	2	3	4	5	12	13	10	7	6	7	10	10	10	12	8	7	6	6	7	11	7
15	9	6	5	3	3	3	7	12	14	13	11	15	13	12	13	13	10	12	14	16	15	15	12	16	11
16	7	7	7	5	6	8	9	10	11	14	14	13	11	9	10	10	13	15	15	16	14	15	9	5	5
17	7	8	5	4	3	1	1	1	1	1	2	1	1	2	2	2	4	4	4	4	4	4	4	4	3
18	6	6	6	7	6	5	8	19	14	11	10	9	8	11	-	8	8	10	9	7	9	8	6	6	7
19	8	6	4	4	4	4	5	7	10	11	10	9	7	8	8	8	10	9	7	9	8	6	6	7	8
20	12	11	10	9	8	8	8	8	8	7	7	8	8	9	9	9	10	8	7	6	6	7	7	10	8
21	11	8	7	6	5	3	5	5	6	5	5	5	5	5	6	8	8	8	9	9	6	7	8	8	7
22	7	7	5	3	3	5	7	9	16	8	8	7	8	8	7	9	12	10	9	11	10	7	4	4	8
23	4	4	4	4	4	4	4	5	6	7	6	5	3	4	5	8	9	9	8	10	14	23	25	27	8
24	36	26	15	6	5	2	3	3	4	5	5	5	5	3	3	3	4	2	2	2	2	4	4	4	3
25	3	4	3	2	2	3	4	4	4	4	5	5	5	6	6	5	5	5	6	5	4	4	5	5	4
26	2	2	1	2	2	3	4	6	12	10	8	8	6	6	5	6	7	7	5	6	6	5	5	5	6
27	5	4	4	3	2	3	5	10	11	15	15	10	11	10	7	-	13	20	17	22	18	14	9	8	11
28	6	5	5	5	5	5	10	14	25	32	40	41	45	22	17	15	12	8	7	10	8	7	5	4	16
29	8	10	10	7	9	11	14	25	32	40	41	45	22	17	15	12	8	7	10	8	7	5	4	5	16
30	4	3	3	3	4	3	3	5	5	5	5	5	5	5	7	10	9	13	13	10	11	9	7	9	7
31	16	24	17	11	8	7	14	8	10	10	13	18	8	8	7	7	7	7	6	6	8	6	5	6	10
MEAN	8	7	6	5	5	5	7	9	11	10	9	10	8	8	8	9	10	9	8	8	8	7	7	7	7.9

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	8.3	21	54
FEB	28	8.6	12	28
MAR	31	8.4	24	76
APR	28	6.8	13	35
MAY	31	8.9	19	51
JUN	30	7.8	15	45
JUL	31	6.6	13	35
AUG	31	8.8	16	43
SEP	30	7.5	22	96
OCT	31	9.1	16	48
NOV	30	10.8	30	102
DEC	31	7.9	16	45
YEAR	363	8.3	30	102

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	299	258	147	19	7	1	2	733
FEB	153	351	144	12	0	0	0	660
MAR	271	317	112	17	11	5	1	734
APR	322	255	80	8	2	0	0	667
MAY	244	298	154	28	4	4	1	733
JUN	292	268	130	18	0	1	0	709
JUL	378	257	84	12	1	0	0	732
AUG	244	297	155	31	7	1	0	735
SEP	347	243	97	11	3	1	8	708
OCT	236	289	165	34	12	2	0	738
NOV	190	258	199	40	17	4	3	711
DEC	281	291	154	9	3	2	0	740
YEAR	3257	3382	1621	239	67	21	13	8600

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	PERCENT 95	98	99	MAX	ARITH MEAN
98.2	1	2.7	4.4	6.2	8.7	14.4	18.6	25.2	31.5	102	8.3

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION												
STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH														MONTH - JAN 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	15	21	26	23	17	9	6	7	7	9	11	13	18	20	14	21	19	16	13	11	9	9	9	10	14	
2	9	7	5	4	5	5	11	23	14	9	8	9	4	3	3	4	4	4	4	4	4	4	4	4	6	
3	2	2	2	3	3	4	4	5	10	9	8	31	29	30	-	38	57	54	42	28	18	10	8	10	18	
4	7	4	4	4	4	6	6	9	12	6	7	7	5	7	7	7	9	9	9	9	7	7	19	25	8	
5	21	16	11	9	11	18	45	87	79	16	14	16	14	10	-	7	9	11	12	53	58	42	28	34	27	
6	26	14	8	8	9	15	31	46	47	38	35	42	40	26	35	-	33	56	45	37	32	29	20	26	30	
7	25	19	16	12	10	9	14	23	27	23	38	40	43	40	42	47	51	44	40	30	35	13	11	10	28	
8	7	8	5	5	5	5	5	5	5	5	6	6	6	7	7	7	8	32	56	32	23	16	13	10	12	
9	8	3	3	3	3	5	11	20	17	23	20	20	18	20	25	-	33	34	23	15	11	7	7	8	15	
10	6	5	3	3	2	3	8	15	16	14	16	15	17	17	-	22	28	25	20	18	16	17	20	16	14	
11	14	10	7	5	4	3	3	5	5	6	4	4	5	5	4	7	-	-	-	-	-	-	-	-	6	
12	- DATA UNAVAILABLE -																									
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38	43	37	36	34	30	27	23	20	18	*****
14	16	12	9	6	6	7	11	17	20	21	23	24	24	23	24	25	26	22	20	19	18	16	15	19	18	
15	20	22	20	15	12	8	6	11	16	18	18	20	25	25	24	23	7	6	7	7	22	22	32	33	17	
16	10	7	5	5	5	4	5	16	18	8	7	8	6	5	4	4	5	7	7	9	8	12	15	30	9	
17	21	27	26	21	14	15	27	63	67	51	45	42	40	38	38	41	39	29	26	21	15	13	13	11	31	
18	10	8	6	5	5	6	12	22	22	22	26	30	36	36	35	40	50	56	51	40	36	37	37	39	28	
19	30	21	21	18	17	23	47	58	85	90	63	51	40	43	39	45	56	58	47	49	37	31	32	26	43	
20	21	13	7	5	5	6	16	36	37	32	27	27	23	19	18	17	14	14	15	15	10	10	10	10	17	
21	11	10	7	5	4	4	7	13	19	24	24	23	25	30	34	35	38	44	55	57	46	30	26	22	25	
22	42	35	43	22	17	10	7	6	6	6	5	5	3	3	3	3	4	5	5	5	4	4	4	4	11	
23	3	3	3	3	4	4	4	5	8	8	8	5	5	5	5	6	6	7	7	6	7	5	5	6	5	
24	5	5	5	4	5	5	5	7	10	9	10	-	-	9	9	8	8	10	10	9	8	7	7	8	7	
25	8	9	10	10	9	12	50	71	65	62	45	48	52	48	51	49	52	56	33	33	24	18	6	3	34	
26	3	3	6	6	5	5	3	5	4	3	3	3	1	-	2	2	2	2	2	2	2	2	2	1	3	
27	1	1	1	1	2	3	3	8	15	13	13	12	16	20	25	-	33	35	25	29	31	21	11	5	14	
28	11	13	11	6	4	3	8	15	17	21	23	27	29	31	30	26	25	31	34	33	25	17	14	15	20	
29	16	16	17	10	7	6	7	11	14	15	13	18	17	16	21	27	30	26	21	20	20	20	22	28	17	
30	14	5	8	12	8	10	25	53	58	47	39	39	35	31	-	39	49	39	24	16	9	6	5	6	25	
31	4	2	2	2	2	4	8	10	8	7	7	7	6	7	6	7	7	8	8	7	8	13	13	11	7	
MEAN	13	11	10	8	7	7	14	23	25	21	20	21	21	21	21	22	25	27	24	22	20	16	15	15	17.9	

PERCENTAGE OF DATA VALID - 92.5 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 7.5

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. --\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH													MONTH - FEB 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	14	7	4	3	3	5	19	19	32	14	7	5	5	6	4	8	20	7	9	16	16	13	14	19	11
2	6	4	4	5	8	18	33	58	59	49	39	21	12	18	18	-	8	8	9	11	14	9	19	27	20
3	18	18	11	12	12	38	72	63	53	46	43	38	38	35	42	46	51	47	44	39	35	31	28	36	36
4	21	16	13	11	8	13	27	30	35	36	37	37	37	32	40	45	48	53	55	52	44	39	46	33	
5	29	25	21	15	10	6	10	10	11	11	11	11	13	16	16	19	23	22	21	19	18	19	17	14	16
6	11	7	6	3	3	3	12	22	25	21	18	19	18	22	22	30	38	40	36	36	30	25	24	19	20
7	8	5	4	3	5	5	8	22	49	49	37	30	29	27	29	-	50	60	61	55	42	36	31	25	31
8	13	9	7	5	9	11	31	62	63	49	41	38	30	31	39	39	47	39	57	50	40	42	44	40	35
9	18	11	9	9	9	11	31	62	63	49	41	38	30	31	39	39	47	39	57	50	40	42	44	40	35
10	32	23	16	16	17	20	40	71	72	55	42	44	32	14	6	-	8	9	8	12	15	10	6	9	25
11	13	10	12	10	9	6	7	7	11	17	18	18	22	17	18	21	19	31	26	17	11	5	5	5	14
12	6	9	8	4	4	3	3	3	3	3	3	7	18	28	26	24	23	21	22	24	26	27	22	25	14
13	24	15	7	6	7	11	29	46	44	39	34	29	29	32	35	-	52	50	45	33	27	29	28	23	29
14	17	14	8	6	8	13	33	55	52	43	39	38	35	33	35	42	56	53	57	55	24	44	46	36	35
15	30	15	14	11	12	25	28	25	21	23	10	9	8	7	6	7	7	7	6	5	6	6	7	8	13
16	8	5	5	4	3	4	5	12	10	9	7	6	6	6	6	7	5	5	5	7	12	14	14	4	6
17	3	3	4	4	2	2	5	7	7	4	6	6	6	7	6	-	5	5	6	7	12	14	14	4	6
18	14	12	8	8	8	6	6	6	6	7	6	4	3	4	4	6	11	12	32	32	27	22	20	31	12
19	29	30	21	10	8	5	6	7	9	10	8	14	20	19	27	16	19	22	8	7	5	15	25	9	15
20	6	12	12	13	20	31	65	54	23	14	13	8	6	6	4	4	5	11	26	49	47	48	50	42	24
21	24	13	10	11	11	16	40	59	61	44	34	34	32	34	35	40	46	45	40	30	25	23	22	21	31
22	19	13	7	7	7	11	32	54	46	30	25	-	22	24	25	28	41	45	34	27	21	17	16	13	25
23	3	2	2	2	3	2	5	20	19	12	11	9	5	5	4	6	14	21	14	6	6	4	4	4	8
24	4	4	3	3	2	2	5	6	5	5	14	23	-	5	6	4	5	5	8	4	3	3	4	4	5
25	4	5	7	7	17	17	18	22	21	20	20	22	27	28	28	28	33	40	45	35	32	26	24	27	23
26	25	19	18	11	7	5	7	8	9	12	15	15	17	16	14	22	24	25	24	23	24	30	25	24	17
27	12	5	4	4	4	6	16	50	54	37	21	20	23	15	21	32	40	23	39	22	23	11	5	4	20
28	4	5	11	10	7	5	20	42	21	14	9	7	5	4	12	10	6	6	4	4	7	31	57	13	13
MEAN	15	11	9	8	8	10	20	32	31	25	21	20	19	19	19	22	26	27	27	25	22	21	21	21	19.9

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH													MONTH - MAR 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	42	31	20	9	8	12	35	59	56	42	34	30	27	33	36	37	45	42	44	41	29	30	29	28	33
2	20	15	11	8	9	11	32	60	51	23	26	17	19	16	-	30	33	30	6	9	28	34	40	33	24
3	29	26	21	14	11	15	32	57	53	43	33	18	28	24	29	33	34	34	40	36	30	23	19	19	29
4	20	17	11	7	5	4	9	13	15	17	19	18	20	20	21	23	23	21	23	21	13	18	7	5	15
5	8	7	8	6	4	3	4	5	7	11	12	9	10	8	12	16	9	13	3	3	3	4	5	7	7
6	5	4	6	8	11	9	34	59	43	44	39	36	35	37	37	39	43	38	42	40	32	36	34	34	31
7	22	10	6	6	6	8	29	57	57	41	32	30	27	29	30	-	41	43	47	39	29	24	23	22	29
8	16	11	9	10	12	16	40	65	59	33	7	2	1	2	7	-	37	37	5	27	52	54	61	75	28
9	60	49	29	20	24	38	70	53	33	24	10	12	9	7	6	8	8	9	9	8	5	7	20	20	22
10	17	12	11	12	20	22	40	66	53	37	32	34	34	38	-	7	4	5	8	14	38	39	36	40	27
11	41	19	19	18	14	10	7	10	11	9	6	6	7	7	7	6	6	6	5	5	6	7	7	7	10
12	8	7	7	7	7	8	9	21	22	16	18	20	24	28	31	32	32	32	35	33	33	39	36	22	22
13	32	16	28	20	16	42	84	89	67	22	8	5	5	5	8	7	-	7	8	3	3	2	2	3	21
14	4	4	3	3	2	2	2	5	5	5	5	5	5	4	4	3	4	4	4	3	5	5	5	15	4
15	12	9	7	5	5	7	19	37	40	32	28	28	32	33	33	41	41	46	44	40	31	30	32	27	27
16	21	16	10	9	8	10	32	63	51	21	5	3	5	3	4	4	3	2	2	2	4	5	6	6	12
17	21	25	18	9	9	17	14	10	6	2	2	2	2	2	2	2	4	5	7	6	20	34	31	28	12
18	22	16	13	8	5	4	3	6	6	6	2	2	2	1	1	1	2	2	3	3	2	2	2	2	5
19	2	2	2	1	1	1	1	1	1	1	7	9	11	12	13	14	13	14	16	16	19	24	25	9	9
20	17	11	5	8	13	20	46	45	5	1	1	1	1	1	1	1	1	1	1	2	2	2	5	4	8
21	8	5	4	4	4	4	6	11	25	36	77	58	33	42	44	47	54	53	43	35	32	33	26	25	30
22	18	12	7	6	5	6	9	19	15	13	6	8	4	4	-	3	4	7	11	9	7	7	9	18	9
23	17	11	7	7	7	13	18	42	21	30	26	21	19	20	25	29	25	25	38	42	25	28	20	15	22
24	10	7	5	3	4	3	6	11	14	20	24	25	23	23	24	24	26	28	33	30	22	18	19	19	18
25	17	10	8	7	8	7	12	17	12	4	4	4	4	3	2	1	1	1	2	2	8	2	1	1	6
26	2	2	2	2	2	-	1	1	1	1	1	1	0	0	0	0	0	0	0	2	3	3	3	3	1
27	5	7	6	5	5	8	26	39	37	35	35	40	38	38	42	46	49	49	45	36	33	30	25	14	29
28	8	7	4	2	2	2	4	5	8	5	3	3	4	-	4	14	20	10	9	10	12	12	15	11	8
29	10	20	10	9	8	10	29	35	32	27	24	29	24	24	25	27	36	33	36	36	34	32	27	27	25
30	20	17	13	12	13	17	56	67	60	27	9	12	13	25	-	25	37	16	6	6	7	7	7	8	21
31	7	6	8	12	11	8	36	40	11	7	5	2	4	5	5	-	3	3	2	2	2	2	1	1	8
MEAN	17	13	10	8	8	11	24	35	28	21	17	16	15	16	17	19	21	20	19	18	18	19	19	19	17.9

PERCENTAGE OF DATA VALID - 98.7

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 1.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH														MONTH - APR 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	3	3	9	4	5	5	5	7	11	10	16	21	20	17	16	15	14	13	11	9	8	9	10
2	9	10	7	5	2	2	2	3	5	7	11	12	17	23	23	22	28	29	31	35	36	35	33	20	17
3	16	14	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
4	9	13	10	9	8	7	20	30	10	3	3	3	3	17	41	34	11	7	5	6	23	30	15	11	14
5	8	6	4	4	4	8	25	47	39	31	29	29	25	24	23	34	39	42	44	49	47	49	46	38	29
6	38	31	21	14	13	19	28	19	3	2	1	1	1	-	3	2	1	1	1	1	1	1	1	1	9
7	1	1	2	12	11	10	21	29	10	5	14	18	13	-	-	29	30	23	26	28	25	24	19	18	17
8	15	18	10	4	3	3	6	12	14	18	17	18	18	19	20	19	19	19	22	23	22	16	16	23	16
9	23	19	13	8	5	4	5	7	8	10	15	17	20	23	28	30	27	29	35	33	31	34	34	33	20
10	22	14	7	5	8	6	2	2	2	2	5	3	2	2	2	-	2	2	3	2	2	3	3	2	4
11	2	2	2	2	1	2	18	6	9	24	36	45	55	25	14	4	4	3	2	7	15	12	2	2	12
12	1	1	1	1	1	1	1	3	3	2	3	2	2	2	2	2	2	4	6	14	11	25	49	8	6
13	5	3	5	3	3	2	2	5	8	11	16	19	15	13	20	-	26	29	29	28	23	21	20	19	14
14	9	6	2	2	3	6	20	30	29	23	-	20	24	24	26	27	32	31	30	31	28	22	19	16	20
15	9	7	9	6	6	5	12	15	16	18	17	21	24	24	20	19	21	23	24	22	20	22	27	17	17
16	27	27	17	12	7	6	7	9	10	10	9	13	5	3	3	3	17	29	35	38	30	31	26	21	16
17	11	6	4	4	8	14	37	51	41	21	15	-	7	29	5	4	5	6	7	35	32	27	28	35	19
18	26	21	11	11	19	30	9	7	3	3	2	2	2	2	2	2	3	3	2	2	1	1	1	7	7
19	1	1	1	1	1	1	1	1	1	2	2	2	4	4	4	4	4	4	4	5	7	6	9	18	4
20	15	11	6	5	5	8	24	34	28	28	27	25	21	27	28	28	28	28	30	25	18	17	17	16	21
21	10	7	5	4	3	4	16	29	27	24	21	24	23	25	24	27	27	26	25	26	26	27	26	24	20
22	17	14	9	6	5	7	12	18	19	23	23	24	24	22	22	23	26	27	28	30	29	25	22	26	20
23	29	23	13	8	6	7	9	9	11	11	12	6	2	2	1	1	2	3	3	7	12	33	49	46	13
24	30	15	15	9	6	10	34	54	26	10	4	2	7	27	31	-	36	33	32	33	34	30	26	26	23
25	17	12	8	6	6	9	26	43	37	25	5	1	1	-	1	1	2	2	2	3	18	31	43	33	14
26	24	15	10	8	9	15	29	45	33	9	6	1	1	1	1	1	1	2	2	3	28	37	35	30	14
27	24	18	13	7	7	10	30	49	42	32	25	29	26	28	29	-	33	28	28	28	21	22	21	20	25
28	15	11	8	5	5	9	27	41	36	-	-	26	27	27	31	36	29	32	38	51	51	46	42	45	29
29	15	11	8	5	5	9	27	41	36	-	-	26	27	27	31	36	29	32	38	51	51	46	42	45	29
30	18	14	12	8	6	6	8	7	9	11	13	15	18	17	18	19	18	17	18	21	26	22	18	11	15
MEAN	16	13	8	6	6	8	15	21	17	14	13	14	14	17	16	16	17	17	18	21	22	22	22	20	15.5

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION														
STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH													MONTH - MAY 78														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	7	5	4	5	7	25	35	32	23	21	22	20	19	23	24	25	22	21	18	19	18	21	26	17	19		
2	9	7	5	5	13	36	42	34	28	27	24	23	24	-	27	28	25	25	27	23	21	25	23	12	22		
3	9	8	6	6	11	32	51	49	38	31	23	23	23	24	25	25	23	25	24	28	30	34	21	25	25		
4	14	15	15	16	20	47	59	12	1	1	1	1	1	1	1	4	5	6	3	5	27	28	27	18	14		
5	11	8	5	1	1	3	5	6	5	2	2	2	2	-	5	4	4	3	3	5	8	4	3	4	4		
6	4	6	8	7	7	14	20	28	29	18	19	6	8	11	6	7	11	9	40	39	29	21	23	21	16		
7	20	18	12	7	7	11	12	13	9	3	4	3	1	1	1	1	1	2	4	2	2	2	2	2	6		
8	1	1	1	1	1	2	2	2	3	3	3	3	-	3	4	3	5	4	3	3	2	3	7	5	3		
9	2	3	3	3	7	8	18	11	10	11	3	3	-	5	15	9	5	2	3	3	3	2	2	2	6		
10	5	2	4	6	10	24	41	38	29	26	27	26	28	28	18	28	34	39	24	26	10	8	11	13	21		
11	12	11	12	10	8	15	15	6	4	3	3	3	3	2	-	3	3	3	4	10	8	25	42	45	11		
12	38	10	12	4	2	3	5	10	9	7	7	6	7	6	6	5	5	4	4	2	2	1	1	1	7		
13	2	6	10	7	4	2	1	2	2	2	2	2	4	14	6	2	2	4	8	44	27	10	2	1	7		
14	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	2	1	2	1	2	2	1		
15	5	5	3	4	6	7	19	9	4	3	4	4	4	4	6	5	11	35	32	29	16	4	19	11	10		
16	16	10	8	7	10	33	51	18	5	12	2	2	9	8	9	8	4	8	21	44	42	28	19	14	16		
17	11	6	4	5	11	32	40	41	36	39	16	3	4	4	2	1	2	2	2	3	17	20	36	37	16		
18	23	14	14	14	19	40	76	66	52	48	36	33	12	-	4	4	3	3	5	7	17	32	46	34	26		
19	27	30	22	14	15	21	21	23	18	5	5	5	5	-	6	6	20	35	44	41	19	23	22	12	20		
20	10	12	7	5	6	24	15	6	6	9	5	5	5	4	4	8	18	20	8	6	5	5	6	17	9		
21	16	6	3	3	4	5	6	8	11	15	18	21	22	21	20	20	21	22	29	28	27	31	30	15	17		
22	17	10	5	3	3	3	3	6	16	21	23	17	23	20	16	15	7	4	4	6	33	58	48	27	16		
23	17	15	16	13	33	72	63	12	15	10	12	3	3	3	-	3	4	5	5	8	3	25	35	17	17		
24	27	20	17	13	28	55	63	57	39	10	7	3	3	3	7	3	3	3	7	3	4	5	10	25	49	32	21
25	20	17	14	14	29	54	65	57	41	39	35	32	32	-	37	37	39	39	38	39	40	37	39	29	36		
26	22	16	12	13	24	50	63	46	42	41	29	30	-	11	13	7	7	8	11	16	23	27	31	56	26		
27	60	39	53	44	37	33	31	10	9	7	6	6	3	3	3	3	3	4	4	5	7	34	21	39	19		
28	42	29	20	17	20	15	8	8	7	5	4	5	4	4	4	4	4	4	3	4	6	7	11	24	11		
29	17	16	18	14	29	45	20	19	11	12	12	8	7	7	7	8	4	3	3	6	8	10	7	16	13		
30	26	17	15	17	28	25	10	9	24	13	7	7	8	7	6	5	5	6	6	8	7	8	8	8	12		
31	8	12	12	11	7	9	12	10	8	-	6	5	10	20	25	23	26	25	23	21	20	22	24	17	15		
MEAN	16	12	11	9	13	24	28	21	17	15	12	10	10	9	11	10	11	12	13	16	16	19	20	19	14.8		

PERCENTAGE OF DATA VALID - 98.4 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 1.6

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. --- INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH													MONTH - JUN 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	10	5	4	5	13	29	47	46	43	30	17	9	4	3	3	4	4	3	4	3	4	4	5	9	13
2	17	9	14	17	15	18	18	15	17	15	18	8	22	24	23	34	19	34	26	22	24	21	24	20	20
3	13	9	6	6	10	18	29	32	28	27	24	24	21	24	24	23	25	25	22	22	24	27	31	32	22
4	34	25	18	13	13	9	13	9	3	3	2	3	2	2	2	2	2	3	3	7	7	6	6	12	8
5	16	11	8	5	10	27	45	35	31	30	29	27	26	27	33	34	32	33	29	32	45	50	48	40	29
6	28	21	25	19	35	20	21	14	9	10	9	7	4	-	2	2	2	3	4	5	5	6	27	29	13
7	13	16	22	22	15	13	10	13	13	11	17	9	7	9	11	11	13	13	14	19	20	29	13	8	14
8	6	5	5	5	5	7	8	8	10	16	24	27	30	31	34	36	35	35	29	25	31	32	29	27	21
9	15	9	8	5	8	40	56	49	37	33	30	20	20	22	22	22	24	27	31	30	26	24	32	27	26
10	26	19	15	15	18	34	20	5	3	2	2	3	3	2	2	2	2	2	3	18	27	12	7	6	10
11	8	4	3	3	3	6	3	2	3	3	3	2	2	3	3	3	2	2	2	3	4	5	5	5	3
12	2	2	1	2	2	4	5	6	6	4	4	3	12	10	-	4	5	7	9	10	18	16	12	8	7
13	4	3	1	1	23	30	39	32	27	26	27	25	24	24	27	27	28	25	23	25	27	18	21	17	22
14	10	7	5	6	12	40	52	40	31	31	27	26	26	27	31	32	33	32	31	30	33	24	24	25	26
15	20	13	8	10	14	36	61	53	39	32	29	23	21	20	26	20	18	20	32	33	30	24	16	14	26
16	16	17	17	14	10	9	9	11	6	3	3	2	3	3	3	3	3	3	5	6	9	29	14	8	9
17	11	19	20	10	8	6	4	4	4	4	4	5	4	4	5	6	6	6	6	6	7	6	6	6	7
18	6	6	6	6	7	9	10	6	5	5	6	6	5	8	12	16	17	19	20	23	26	30	30	23	13
19	15	8	7	7	8	26	55	56	52	43	30	24	21	17	-	29	30	30	28	31	38	38	27	28	28
20	29	26	21	18	24	53	80	64	38	32	28	12	7	5	4	4	4	4	3	3	4	4	5	9	20
21	24	25	16	16	21	14	7	6	34	46	16	6	5	-	10	17	21	23	22	21	23	31	34	33	20
22	24	14	10	8	12	28	47	41	32	24	18	22	23	24	27	25	21	28	29	26	16	16	18	26	23
23	13	8	7	9	24	44	40	39	30	30	30	29	30	30	-	30	29	32	36	38	36	30	28	24	28
24	23	18	11	8	11	18	25	28	24	13	14	12	5	3	2	2	2	2	2	3	5	6	17	49	13
25	59	53	44	37	38	35	29	9	5	4	3	3	3	3	2	2	2	2	2	2	2	4	11	23	16
26	11	6	5	7	9	5	4	4	4	4	4	4	4	4	4	4	3	4	4	4	4	5	5	5	9
27	5	6	5	4	4	4	7	8	9	7	6	6	6	6	10	13	17	22	23	19	18	18	17	11	11
28	10	7	6	5	8	24	35	34	28	23	23	23	23	22	23	24	24	24	25	26	23	24	22	16	21
29	10	6	4	6	9	31	43	36	30	30	27	24	22	22	25	26	25	26	25	23	25	25	24	21	23
30	15	10	7	7	8	21	35	35	31	28	-	29	28	30	28	25	26	26	25	25	25	23	21	21	23
MEAN	16	13	11	10	13	22	29	25	21	19	16	14	14	15	15	16	16	17	17	18	19	20	20	20	17.3

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH													MONTH - JUL 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	18	15	12	11	11	19	24	24	17	6	9	6	2	1	2	2	2	2	2	2	3	12	27	29	11
2	28	17	8	6	6	6	8	3	3	2	1	1	1	1	1	1	2	1	1	2	2	2	6	6	5
3	11	7	2	2	2	1	3	3	2	2	2	2	2	2	2	2	2	11	8	3	2	2	2	2	3
4	6	7	4	2	2	2	2	5	7	6	6	5	4	2	1	1	1	1	2	2	2	4	22	31	5
5	26	20	15	13	15	33	52	51	29	22	15	10	4	3	3	2	2	2	2	2	2	4	4	4	14
6	4	4	6	5	4	4	7	7	8	5	3	3	2	2	2	2	2	2	2	3	3	3	3	2	4
7	2	2	3	3	2	3	4	5	5	5	-	2	2	1	2	2	2	2	2	2	2	3	3	3	3
8	4	3	3	3	3	4	4	4	3	3	3	3	4	4	6	9	10	12	15	15	12	10	12	13	7
9	12	9	6	5	4	6	9	11	9	6	6	6	3	3	3	3	3	3	3	3	5	5	5	4	6
10	2	2	2	3	5	14	30	28	25	21	21	18	20	21	23	26	26	25	24	21	22	23	25	18	19
11	11	7	6	6	8	21	39	37	26	22	25	24	24	-	25	28	32	30	28	27	30	34	31	23	24
12	16	12	8	5	5	14	41	34	-	22	12	11	4	3	3	2	3	2	3	4	6	8	10	8	10
13	5	5	6	5	3	3	4	3	3	3	3	3	3	3	3	4	4	4	4	5	4	7	13	17	5
14	15	11	9	9	14	29	55	49	42	26	17	8	7	6	6	7	10	16	7	19	36	36	33	33	21
15	29	24	17	15	18	20	41	16	7	5	5	5	5	5	5	5	8	20	20	20	21	22	22	15	15
16	15	11	7	6	6	6	8	11	14	16	19	20	21	20	18	18	19	20	20	21	25	27	28	20	17
17	11	8	6	6	8	25	45	39	32	29	28	29	28	29	27	16	4	4	6	24	33	38	37	30	23
18	24	19	14	12	15	34	67	25	13	11	8	6	5	4	4	3	3	3	4	4	5	5	6	12	12
19	6	4	3	4	4	5	7	13	14	13	10	9	5	5	5	5	6	6	7	8	9	10	10	7	7
20	6	5	5	5	4	6	7	8	9	7	7	5	6	5	-	-	5	5	5	-	17	25	26	25	9
21	13	13	7	5	6	19	42	35	25	21	9	6	7	7	7	6	6	11	18	28	28	28	27	17	17
22	15	12	18	16	18	16	29	28	21	9	6	6	5	5	5	6	6	11	18	15	15	5	5	5	12
23	5	5	5	4	4	4	4	3	3	3	3	9	10	12	17	17	16	18	18	22	25	29	30	23	12
24	13	9	8	8	11	32	60	46	12	4	5	2	2	-	1	2	4	4	3	2	2	3	3	14	11
25	17	22	15	14	18	32	22	10	4	2	3	3	2	2	3	3	2	2	2	2	2	3	4	5	8
26	6	5	4	3	3	5	6	6	6	4	4	4	4	4	4	4	4	4	4	4	10	14	5	4	5
27	3	3	3	3	3	5	5	6	6	5	5	6	6	4	4	4	8	10	11	26	25	23	18	14	9
28	11	6	2	4	7	21	40	40	34	32	33	-	32	32	32	24	23	22	7	4	5	5	6	22	19
29	23	18	12	11	6	5	4	3	3	3	3	4	4	4	5	11	22	21	18	17	16	14	18	11	11
30	14	11	7	6	5	6	10	14	18	19	20	21	14	3	3	3	3	3	4	4	7	42	42	31	13
31	20	13	10	10	14	20	36	24	6	3	3	3	3	3	3	4	4	4	4	5	5	8	24	31	11
MEAN	13	10	8	7	8	14	23	19	14	11	10	8	8	7	8	7	8	9	9	11	12	15	16	16	11.1

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 1.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH													MONTH - AUG 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	19	13	11	11	13	13	15	20	15	5	3	3	2	2	3	3	6	7	3	4	7	25	30	26	11
2	24	18	14	14	17	35	31	18	11	7	4	3	2	2	2	2	3	4	4	4	3	3	5	4	10
3	3	3	3	4	10	25	43	42	38	38	41	41	38	26	-	32	27	29	39	31	26	24	22	15	26
4	10	6	5	5	6	23	53	46	39	34	30	24	19	5	3	4	4	4	7	30	42	41	42	38	22
5	34	29	22	23	21	33	44	41	16	4	4	3	3	3	3	3	3	3	2	3	3	6	25	14	14
6	26	27	23	19	16	12	10	24	24	17	13	18	4	2	2	3	3	3	3	3	3	14	46	45	15
7	28	18	13	10	9	14	22	15	7	7	6	3	3	3	3	3	3	4	4	5	6	7	33	27	11
8	16	16	13	9	7	10	13	10	9	7	6	-	2	3	3	3	3	3	3	3	2	2	2	2	6
9	3	3	3	3	3	4	4	6	6	6	6	7	7	31	39	20	26	33	28	25	26	30	32	22	16
10	14	9	7	9	13	36	60	47	30	8	5	3	-	2	2	4	4	2	3	5	6	20	50	39	16
11	30	21	18	18	22	45	75	24	5	2	2	2	2	2	2	2	2	2	2	3	5	16	50	46	17
12	41	32	22	21	23	30	35	31	31	17	14	8	4	4	3	3	3	3	4	5	7	6	7	9	15
13	16	12	8	12	18	21	23	9	6	5	4	4	3	3	3	2	2	3	4	6	25	39	42	34	13
14	27	15	10	7	7	8	28	56	37	14	9	5	-	2	2	2	3	3	3	4	4	6	7	29	13
15	14	5	3	4	13	9	6	6	6	4	3	3	3	3	3	3	9	25	28	19	9	4	3	3	8
16	- DATA INVALID -												- DATA INVALID -												
17	- DATA INVALID -												- DATA INVALID -												
18	- DATA INVALID -												- DATA INVALID -												
19	- DATA INVALID -												- DATA INVALID -												
20	- DATA INVALID -												- DATA INVALID -												
21	- DATA INVALID -												- DATA INVALID -												
22	- DATA UNAVAILABLE -												- DATA UNAVAILABLE -												
23	- DATA UNAVAILABLE -												- DATA UNAVAILABLE -												
24	- DATA UNAVAILABLE -												- DATA UNAVAILABLE -												
25	- DATA UNAVAILABLE -												- DATA UNAVAILABLE -												
26	- DATA UNAVAILABLE -												- DATA UNAVAILABLE -												
27	- DATA UNAVAILABLE -												- DATA UNAVAILABLE -												
28	- DATA UNAVAILABLE -												- DATA UNAVAILABLE -												
29	- DATA UNAVAILABLE -												- DATA UNAVAILABLE -												
30	- DATA UNAVAILABLE -												- DATA UNAVAILABLE -												
31	- DATA UNAVAILABLE -												- DATA UNAVAILABLE -												
MEAN	20	15	12	11	13	21	31	26	19	12	10	9	7	6	5	6	7	9	9	10	12	16	25	24	14.1



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
		STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH												MONTH - SEP 78													
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1																											
2																											
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											
13																											
14																											
15		3	3	6	10	15	38	15	9	7	20	9	5	12	13	-	19	6	5	8	8	6	5	5	4	10	
16		5	4	7	9	14	29	38	37	33	33	29	31	30	32	34	37	36	33	39	37	30	30	32	32	28	
17		40	35	20	10	6	11	16	17	24	27	33	38	19	4	2	2	5	34	36	32	28	30	32	18	22	
18		14	10	11	11	17	42	58	31	33	49	22	12	21	41	42	43	24	9	24	32	30	29	27	22	27	
19		18	14	9	11	19	60	82	80	65	15	18	5	4	4	4	-	7	16	8	7	6	3	2	2	20	
20		3	2	2	2	3	5	8	9	9	7	6	6	6	5	6	7	7	6	8	38	37	14	10	17	9	
21		23	26	37	24	14	15	27	85	44	42	40	41	42	39	45	45	47	51	43	34	32	35	30	20	37	
22		15	11	8	10	19	51	64	60	51	45	44	47	48	-	50	44	41	58	73	70	49	40	48	37	43	
23		33	27	22	24	25	52	67	57	18	6	3	2	2	2	2	3	2	2	5	6	7	16	76	81	23	
24		71	51	25	19	19	25	38	27	12	6	6	6	4	7	6	7	24	6	6	10	14	19	23	16	19	
25		8	5	4	6	14	58	56	51	36	34	33	32	34	39	-	44	40	49	48	38	37	43	45	34	34	
26		27	19	11	13	22	47	57	70	4	2	4	3	3	3	3	3	4	4	6	5	4	4	4	4	14	
27		4	4	5	6	5	7	10	11	9	8	6	5	3			5	5	21	40	32	16	14	11	8	11	
28		6	5	4	5	10	36	54	44	34	32	32	32	33	-	39	37	39	43	48	49	45	50	48	46	34	
29		38	29	25	23	28	59	52	48	16	9	6	4	2	2	2	2	2	2	2	2	1	2	2	3	15	
30		6	6	4	3	3	3	7	4	3	3	2	2	2	2	2	3	3	4	5	16	9	3	3	3	4	
MEAN		20	16	13	12	15	34	41	40	25	21	18	17	17	15	18	19	18	20	24	24	21	20	24	21	21.3	

PERCENTAGE OF DATA VALID - 53.6 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 46.4

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION												
		STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH												MONTH - OCT 78												
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		3	3	3	3	3	3	5	5	9	15	15	14	21	18	7	11	26	29	32	37	39	33	37	22	16
2		12	8	8	10	17	49	72	59	45	39	32	33	32	28	4	5	4	5	5	8	10	14	18	43	23
3		36	27	24	10	4	2	2	2	1	1	1	2	2	2	3	3	3	2	2	2	2	3	2	6	7
4		5	3	2	1	2	4	7	13	7	6	6	6	5	4	-	5	22	6	7	9	15	16	10	10	7
5		12	28	10	6	4	9	20	23	6	3	3	4	4	5	4	4	6	8	6	6	5	15	16	14	6
6		3	5	2	2	2	2	7	7	5	3	3	4	5	4	4	4	6	8	6	6	5	15	16	14	6
7		13	8	6	6	7	13	22	24	27	31	26	28	31	29	25	23	26	29	26	21	17	15	23	20	21
8		18	13	7	4	4	6	12	13	18	21	25	25	26	25	28	26	22	24	31	41	49	41	28	34	23
9		26	20	18	17	27	53	58	19	10	7	4	3	3	2	2	2	3	3	4	4	4	4	4	4	13
10		3	3	2	2	2	5	12	18	10	14	10	5	6	14	-	17	4	9	9	6	8	10	7	8	8
11		8	15	16	27	12	12	25	29	23	14	7	5	4	4	4	4	6	7	10	9	6	4	2	2	11
12		1	1	1	1	1	2	3	5	4	3	2	2	2	3	5	7	27	19	23	4	6	21	20	13	7
13		14	5	5	13	15	43	76	58	47	41	40	39	41	43	-	43	43	47	40	33	27	23	27	21	34
14		19	15	9	7	8	15	21	26	28	28	29	30	33	31	31	34	41	37	29	26	20	22	42	37	26
15		32	20	12	9	7	10	15	18	22	12	8	17	26	4	5	3	2	2	6	23	42	41	42	17	16
16		8	6	6	9	14	37	59	49	39	33	25	23	13	2	2	2	2	5	15	65	55	54	50	38	25
17		32	20	18	17	25	60	94	85	36	7	6	8	6	6	6	5	5	7	15	10	7	6	8	26	21
18		35	51	53	35	14	12	18	22	21	16	9	8	7		5	5	7	7	8	8	6	8	10	11	16
19		17	14	8	8	15	20	60	73	23	28	25	27	32	6	6	6	9	13	19	49	45	35	39	26	18
20		17	17	14	16	22	45	73	43	25	16	8	6	6	6	6	6	7	12	17	8	8	7	6	7	17
21		7	6	6	4	4	4	6	6	6	5	5	6	6	4	3	4	4	4	3	4	4	6	6	4	5
22		5	4	3	2	2	2	3	3	3	3	3	3	3	4	3	4	4	4	4	6	4	16	22	7	5
23		5	5	4	4	9	21	39	25	30	32	32	31	31	28	-	36	36	35	32	25	31	38	27	14	25
24		15	23	33	37	37	40	27	32	21	23	9	9	6	4	4	4	4	4	5	5	6	5	5	4	15
25		3	3	4	4	4	6	8	10	8	5	5	5	5		5	6	5	5	3	5	5	5	4	4	5
26		4	3	3	3	3	15	31	31	37	40	44	41	40	42	44	56	48	52	46	43	35	14	12	21	30
27		9	9	9	4	3	6	10	12	12	11	6	4	7		7	7	8	6	10	7	6	4	5	5	7
28		5	7	9	12	4	5	8	37	39	35	29	29	27	27	28	35	35	39	41	34	24	23	29	32	25
29		36	29	21	14	12	6	8	16	17	19	20	9	4	1	1	1	1	4	8	10	55	24	13	23	15
30		56	29	9	2	1	1	3	6	4	3	4	4	4	4	4	4	4	7	13	24	30	17	7	6	10
31		6	6	7	6	4	4	7	16	20	20	39	38	38	36	41	43	42	41	35	30	29	26	29	29	25
MEAN		15	13	11	10	9	17	26	25	19	17	15	15	15	14	11	13	15	15	17	18	19	18	17	16	16.0

PERCENTAGE OF DATA VALID - 98.9 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 1.1

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH

MONTH - NOV 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	27	22	14	10	12	17	45	82	75	27	8	6	4	4	5	5	7	12	14	11	11	12	14	9	19
2	9	5	4	5	4	5	6	12	11	9	9	7	5	5	-	21	12	9	10	16	19	40	24	33	12
3	51	47	42	32	30	32	62	102	102	26	6	5	6	6	7	6	6	7	10	14	67	85	50	42	35
4	38	32	30	31	25	17	23	19	29	13	12	12	12	10	12	11	10	52	74	65	67	61	56	30	30
5	48	44	34	35	18	9	10	4	3	4	5	5	4	5	5	5	5	6	7	8	6	6	5	5	12
6	5	4	4	3	4	4	5	11	34	45	37	39	-	38	41	45	45	43	39	36	25	9	11	13	23
7	16	14	10	8	8	14	38	62	57	43	37	36	35	38	42	46	55	67	66	48	41	36	37	32	37
8	29	25	20	19	23	41	77	94	98	28	8	6	6	6	4	5	7	8	7	7	7	9	6	7	24
9	6	6	4	2	2	3	4	9	9	7	8	6	6	6	6	8	10	18	18	19	28	31	69	55	14
10	43	33	35	28	31	22	53	91	21	11	8	10	4	5	9	-	7	5	5	5	5	10	48	58	24
11	56	48	34	25	22	25	13	9	8	12	32	10	9	17	30	32	39	41	38	26	21	13	12	17	25
12	20	17	13	7	4	3	4	8	10	14	20	22	22	27	5	4	7	38	37	40	38	34	30	25	19
13	18	8	7	6	8	12	29	67	57	19	20	18	4	4	4	5	6	6	6	7	5	4	4	4	14
14	4	4	4	3	3	3	7	7	9	7	5	4	5	6	-	26	36	27	30	21	7	8	4	3	10
15	2	2	2	2	2	2	4	8	8	27	22	23	22	18	17	33	41	41	61	72	67	76	80	89	30
16	88	46	24	15	12	22	65	83	68	34	11	4	1	1	2	2	4	8	28	76	63	63	24	2	30
17	1	1	1	1	1	1	1	3	3	3	3	3	2	3	3	5	6	6	5	4	5	5	3	3	3
18	2	2	2	2	1	1	1	2	2	4	11	9	19	22	23	20	8	7	6	6	5	3	3	4	7
19	4	4	3	2	2	2	6	7	11	15	18	22	24	25	28	28	32	35	34	34	32	31	27	21	18
20	8	4	4	3	4	8	28	45	41	40	38	37	37	42	45	55	61	59	49	41	33	33	30	28	32
21	22	17	11	9	9	18	47	71	64	50	45	34	13	-	7	11	4	6	11	63	53	51	46	43	31
22	29	18	12	18	14	22	55	28	30	48	10	2	1	-	1	2	2	1	1	1	1	1	1	1	13
23	0	0	0	0	0	0	1	2	3	2	2	1	2	2	2	4	6	6	6	6	6	5	5	6	3
24	4	5	7	5	6	10	13	34	50	26	27	30	28	33	40	47	45	29	18	35	27	18	14	18	23
25	15	14	6	7	5	5	13	22	25	26	27	28	26	27	27	34	34	33	42	40	33	21	19	25	24
26	28	27	17	13	6	6	11	17	12	15	22	25	27	33	32	38	44	46	37	35	30	23	26	21	25
27	12	5	3	3	3	7	17	18	13	14	16	17	17	19	-	22	21	18	21	18	16	15	13	13	14
28	9	8	7	8	11	16	30	29	28	29	17	19	26	25	9	13	16	13	8	5	5	5	5	3	14
29	4	3	3	3	3	3	4	7	9	6	4	4	4	4	5	5	5	5	5	5	5	5	3	3	4
30	3	2	2	2	2	2	22	10	7	29	30	32	31	31	29	26	24	10	6	5	4	5	5	5	14
MEAN	19	16	12	10	9	11	23	32	30	21	17	16	14	17	16	19	20	21	23	26	24	24	23	21	19.4

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 1.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH

MONTH - DEC 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	4	3	2	2	2	4	6	7	6	7	11	10	-	16	16	8	13	7	7	9	22	22	24	9
2	20	20	13	8	6	2	5	7	9	6	19	15	18	20	31	35	43	45	51	50	41	30	26	27	23
3	13	25	15	7	4	3	4	6	6	5	6	6	8	15	4	3	3	3	3	3	3	4	4	5	7
4	3	3	4	4	3	3	4	6	6	4	3	3	3	3	2	-	3	5	3	3	3	3	3	3	3
5	3	1	1	1	1	1	1	3	4	4	3	4	3	3	3	4	5	5	4	5	5	4	3	5	3
6	3	3	2	3	3	3	5	9	12	11	8	7	18	23	8	6	7	7	12	31	24	28	32	14	12
7	13	16	14	13	12	17	22	18	48	26	32	30	5	3	-	1	1	2	3	3	3	2	3	4	13
8	3	18	31	25	28	11	27	67	66	52	52	36	33	33	39	52	41	44	40	44	37	32	26	25	36
9	28	26	17	12	8	8	17	33	36	32	32	32	29	29	20	20	19	14	6	3	2	2	2	2	18
10	3	4	2	3	3	4	4	5	3	2	3	7	17	21	24	13	15	3	2	4	4	3	2	2	6
11	2	2	2	2	2	2	3	7	9	9	8	9	7	7	-	7	11	11	11	11	10	8	5	6	7
12	7	4	4	3	3	3	3	5	7	6	4	3	5	7	5	5	6	7	5	4	2	3	3	3	4
13	2	2	2	2	2	2	2	3	4	3	4	5	4	-	-	2	3	4	4	11	5	7	8	14	4
14	10	6	4	4	4	6	23	50	13	12	6	3	3	2	2	2	4	5	3	2	2	2	2	2	7
15	2	2	2	2	2	2	2	3	4	4	3	3	3	2	-	4	5	6	5	7	7	7	7	4	4
16	10	17	7	4	4	5	6	9	10	9	13	13	6	6	6	4	6	7	7	6	6	5	5	4	7
17	4	5	5	5	3	1	1	3	4	5	7	9	13	17	18	19	19	20	20	22	22	11	16	18	11
18	11	6	4	3	5	10	28	42	71	57	19	41	35	32	32	32	43	49	38	31	30	29	27	24	29
19	22	14	9	7	8	11	32	57	58	41	32	33	34	35	43	53	-	56	49	42	33	33	35	34	34
20	24	22	15	10	9	9	23	50	52	35	24	13	19	11	15	40	3	3	2	3	3	3	3	4	16
21	5	5	3	2	2	7	19	25	19	22	25	24	25	23	26	35	51	46	43	43	24	18	9	7	21
22	5	4	2	1	1	1	2	3	-	9	6	4	4	4	6	6	4	4	5	4	4	3	3	4	4
23	2	1	1	1	1	1	1	2	2	3	4	5	8	19	14	12	5	8	19	43	34	32	33	42	12
24	43	51	77	34	6	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	10
25	1	7	8	6	4	3	3	5	6	11	17	11	17	13	14	15	13	10	9	12	4	3	3	11	9
26	11	7	5	1	1	1	1	1	1	1	1	2	2	5	2	2	3	3	2	2	3	3	3	5	3
27	11	7	3	2	3	3	10	23	20	4	9	14	36	44	25	-	22	20	24	26	18	25	28	42	18
28	37	23	13	8	7	15	27	55	65	52	49	44	42	48	50	56	71	79	61	52	51	48	38	34	43
29	34	21	18	11	11	16	38	65	63	51	50	46	12	5	36	27	51	47	40	37	37	24	24	21	33
30	19	12	4	8	6	6	9	10	20	9	3	2	3	3	3	3	4	6	15	28	26	31	12	12	11
31	19	18	14	10	9	29	29	12	11	27	43	43	28	24	6	5	5	6	4	6	8	6	5	5	16
MEAN	12	11	10	7	5	6	11	19	21	17	16	15	15	16	17	17	16	17	16	18	15	14	13	13	14.0

PERCENTAGE OF DATA VALID - 98.7

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 1.3

NOTES

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	148	165	145	100	66	32	32	688
FEB	106	139	146	118	78	45	32	664
MAR	198	144	129	97	99	35	32	734
APR	210	104	152	161	54	22	5	708
MAY	246	139	135	114	55	24	19	732
JUN	173	124	118	200	71	16	12	714
JUL	330	134	131	95	32	9	5	736
AUG	146	58	51	51	27	19	4	356
SEP	105	66	51	39	59	37	29	386
OCT	238	158	106	103	72	37	22	736
NOV	206	130	111	100	70	43	50	710
DEC	321	121	109	66	51	37	29	734
YEAR	2427	1482	1384	1244	734	356	271	7898

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	CONCENTRATIONS FREQUENCY DISTRIBUTION, PERCENT						MAX	ARITH MEAN
				50	70	90	95	98	99		
90.2	0	2.0	4.9	10.2	21.8	37.3	45.4	56.1	64.2	102	16.5

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	29	17.9	43	90
FEB	28	19.9	36	72
MAR	31	17.9	33	89
APR	30	15.5	29	55
MAY	31	14.8	36	76
JUN	30	17.3	29	80
JUL	31	11.1	24	67
AUG	15	14.0	26	75
SEP	16	21.3	43	85
OCT	31	16.0	34	94
NOV	30	19.4	37	102
DEC	31	14.0	43	79
YEAR	333	16.5	43	102

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH													MONTH - JAN 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1
2	1	1	1	1	1	1	2	6	17	8	6	6	4	2	3	4	3	4	3	3	2	2	2	2	4
3	2	1	1	1	1	2	2	7	15	9	7	5	5	2	3	4	***	13	15	17	15	9	9	6	7
4	5	2	1	2	2	3	4	12	13	5	5	6	6	7	8	8	9	9	9	8	7	6	7	6	9
5	5	2	2	2	2	2	10	24	25	21	14	15	11	6	7	4	4	6	5	9	15	10	7	6	9
6	3	2	2	2	1	1	2	2	3	2	2	2	2	2	***	1	1	3	6	3	2	2	1	1	2
7	1	1	1	1	1	1	1	1	1	2	2	2	2	4	4	3	4	5	5	5	3	2	2	3	3
8	2	2	2	2	2	2	2	2	2	2	2	3	5	6	7	8	10	21	28	16	9	5	4	3	6
9	2	1	1	1	1	1	1	3	4	3	2	2	2	3	***	3	5	6	3	2	2	1	2	1	2
10	1	1	1	1	1	1	1	2	2	2	1	1	1	2	1	2	2	3	2	2	1	1	1	1	1
11	1	1	1	1	1	1	1	4	5	3	2	3	3	2	2	1	1	1	4	10	16	17	17	6	4
12	3	4	***	3	6	6	4	5	6	6	5	5	5	4	6	6	8	8	7	6	4	4	5	4	5
13	2	2	2	2	2	2	3	6	6	4	4	4	3	3	3	2	2	2	2	1	1	1	1	1	3
14	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	3	2	2	3	2	1	3	2
15	2	3	2	1	1	1	1	2	2	3	3	4	4	3	3	4	4	4	4	5	6	3	4	10	3
16	23	13	12	6	2	3	6	13	15	10	3	3	2	2	2	3	3	2	2	1	1	1	1	1	5
17	1	1	1	1	1	2	2	3	3	3	5	3	8	7	10	15	21	18	15	11	12	10	20	7	7
18	1	1	1	1	1	2	2	3	3	3	5	3	8	7	10	15	21	18	15	11	12	10	20	7	7
19	13	15	16	8	8	10	24	26	26	49	41	25	10	5	4	5	9	11	12	14	8	6	4	2	15
20	2	1	1	1	1	1	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
21	2	2	2	2	2	2	2	3	5	4	7	8	9	9	10	10	13	17	29	30	33	39	31	32	13
22	24	26	22	20	19	11	7	8	10	8	6	6	7	4	5	6	8	6	6	6	5	5	5	5	10
23	4	4	4	4	4	4	4	7	13	17	17	15	11	10	10	9	10	14	12	14	13	11	5	8	11
24	6	6	4	3	3	4	6	17	19	17	13	11	12	9	9	10	15	12	8	8	6	6	6	6	9
25	8	7	7	9	9	9	20	36	36	27	14	9	9	10	***	10	10	7	4	3	3	2	2	2	11
26	2	2	2	2	2	2	2	2	6	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2
27	1	1	1	1	1	1	2	2	4	6	4	4	4	4	***	4	5	7	8	7	7	7	5	3	4
28	3	2	2	2	1	2	2	3	4	6	8	7	7	8	8	9	7	11	10	7	5	3	5	5	5
29	4	4	3	2	2	2	2	2	3	4	4	4	4	4	5	5	5	4	4	4	4	3	4	7	4
30	6	5	5	6	2	2	4	14	22	14	11	***	7	6	7	7	9	18	22	21	16	11	8	7	10
31	3	2	2	2	2	3	4	10	15	8	6	7	9	8	7	8	10	11	10	10	6	4	4	4	6
MEAN	5	4	3	3	3	3	4	8	10	8	7	6	5	5	5	5	7	8	8	8	7	6	5	6	5.7

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH														MONTH - FEB 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	2	2	2	3	5	10	18	10	8	8	6	5	6	9	12	10	8	6	7	6	8	7	
2	5	4	3	3	3	5	11	18	13	10	4	5	6	13	12	10	15	20	18	22	18	9	10	9	10
3	5	5	4	4	5	3	11	29	31	17	10	9	7	9	***	***	14	16	16	14	14	13	8	8	11
4	4	4	3	3	2	2	3	5	9	10	11	9	4	3	3	3	4	7	13	15	20	20	12	13	8
5	9	4	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	2	2	2	2	2	2	2	5	4	3	2	3	3	3	3	4	10	10	10	9	2	2	2	2	4
7	2	2	2	2	2	2	2	7	5	6	7	8	7	7	7	9	14	16	13	15	11	8	6	3	7
8	3	3	2	2	2	3	8	22	25	10	10	9	7	7	8	9	18	22	26	24	18	10	7	8	11
9	4	3	2	2	3	3	7	26	25	11	10	9	6	5	***	7	9	19	28	34	13	10	12	13	11
10	11	7	5	4	7	7	11	16	27	13	9	5	6	***	6	7	10	18	14	9	6	5	5	7	9
11	8	7	4	3	3	3	4	5	8	9	7	6	8	8	7	7	6	9	7	4	5	4	4	4	6
12	4	3	3	2	2	2	2	2	2	3	3	4	4	6	4	4	4	4	5	4	5	5	6	6	4
13	6	5	2	2	2	2	3	3	3	2	2	2	2	***	2	2	2	3	4	3	3	3	4	3	3
14	2	2	2	2	2	2	6	21	19	12	6	7	6	5	4	5	8	***	12	21	24	25	21	19	10
15	19	11	9	8	6	10	22	41	41	24	13	7	7	8	7	8	9	8	8	9	9	8	10	14	13
16	3	3	2	2	2	2	5	17	17	12	12	13	12	7	***	7	9	9	7	8	6	5	4	4	7
17	4	3	3	3	2	2	4	10	10	7	4	5	4	4	4	4	5	6	6	9	11	11	15	16	6
18	16	11	9	6	5	4	5	7	7	5	4	4	4	4	4	4	4	4	5	6	5	5	4	6	6
19	6	10	10	10	5	5	5	5	4	5	4	3	3	3	3	3	3	4	5	6	7	8	9	8	6
20	8	8	7	6	7	11	23	35	28	18	11	10	11	***	3	5	6	8	9	9	8	12	17	15	12
21	6	3	2	2	2	3	10	14	12	8	5	3	4	3	***	5	8	8	8	6	5	4	4	4	6
22	3	3	2	2	2	2	5	12	11	6	3	4	3	3	3	4	6	7	6	4	4	4	5	4	5
23	3	2	2	2	2	2	5	14	20	11	10	9	5	4	3	4	6	6	5	7	6	4	3	4	6
24	4	4	3	3	3	2	5	11	12	8	5	***	4	5	5	5	8	8	9	12	7	5	4	5	6
25	6	8	6	4	3	4	3	3	2	2	2	2	2	2	2	3	3	10	15	9	6	5	5	5	5
26	5	4	5	3	2	2	2	3	4	3	3	3	3	3	3	3	3	3	4	5	3	4	4	4	3
27	5	4	4	4	2	3	6	15	13	10	7	5	5	5	***	6	9	11	10	8	5	6	5	4	7
28	5	5	5	5	4	4	9	23	28	21	12	9	8	6	6	4	3	2	4	6	3	4	9	16	8
MEAN	6	5	4	3	3	3	7	14	14	9	7	6	5	5	5	5	7	9	10	10	8	7	7	8	7.1

PERCENTAGE OF DATA VALID - 98.4

PERCENTAGE OF DATA INVALID - 1.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* IND

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH													MONTH - JAN 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	3	3	2	2	2	2	2	2	3	3	4	4	3	3	4	4	3	3	5	5	5	3
2	4	3	3	3	3	3	6	10	22	12	11	10	8	6	7	8	7	8	7	7	6	6	6	5	7
3	5	4	3	3	4	5	5	11	19	13	11	9	9	6	7	8	-	17	20	21	19	13	13	10	10
4	9	5	4	5	6	7	7	16	16	9	9	10	10	11	12	12	13	13	13	12	11	10	11	10	10
5	8	5	5	5	6	6	15	29	29	25	18	19	15	10	11	8	8	10	9	13	20	16	12	10	13
6	6	4	4	3	2	2	4	5	6	5	5	4	5	5	-	3	4	7	10	7	6	5	3	4	5
7	4	3	3	3	3	3	3	4	4	5	5	8	7	6	7	7	8	9	9	9	8	6	5	5	6
8	5	5	5	5	4	4	4	4	4	4	5	6	8	10	11	12	14	25	32	20	13	7	6	5	9
9	4	2	2	2	2	2	4	7	7	6	5	5	5	-	-	6	8	9	6	5	4	3	4	3	5
10	3	3	3	2	2	2	3	5	5	5	4	4	4	5	4	5	6	7	6	6	4	4	4	4	4
11	4	4	4	5	4	3	4	7	9	7	6	6	7	6	-	5	5	6	8	14	20	22	22	10	8
12	7	8	-	5	8	9	7	9	10	10	9	9	9	8	11	11	13	13	11	10	8	8	9	8	9
13	6	6	5	6	6	5	7	10	10	7	7	8	6	6	6	5	5	6	5	4	4	3	3	3	6
14	2	2	2	2	2	2	2	2	4	3	4	4	5	5	5	5	6	7	6	6	7	6	4	6	4
15	5	6	5	3	3	3	4	5	6	7	6	7	8	7	7	8	8	8	8	9	10	7	8	14	7
16	12	7	4	4	4	4	7	13	19	16	11	12	10	9	10	12	13	15	12	14	13	14	17	25	12
17	28	18	18	11	7	7	10	17	19	14	7	7	5	5	5	7	7	6	5	4	4	3	3	3	9
18	3	3	2	2	2	4	4	6	7	7	7	9	7	13	-	15	21	26	23	20	16	17	16	27	11
19	18	21	21	13	13	17	31	32	32	57	50	33	15	10	8	10	14	16	17	19	13	10	8	5	20
20	5	3	2	2	2	2	2	3	5	4	5	5	5	5	5	5	6	5	5	5	5	4	4	5	4
21	5	6	5	4	4	4	5	7	9	9	11	13	14	14	15	15	18	22	35	35	38	44	36	37	17
22	29	31	26	25	24	16	12	13	15	12	10	11	12	9	10	11	14	12	11	12	12	10	10	10	15
23	9	9	9	9	9	9	12	17	22	22	20	16	15	15	14	15	19	18	20	19	17	10	13	16	15
24	11	11	9	8	8	9	11	22	24	22	18	16	18	15	15	16	21	18	14	14	11	11	11	11	14
25	13	12	12	14	14	14	25	41	41	32	19	14	14	14	-	14	15	12	9	7	7	5	4	4	15
26	4	4	6	5	5	4	4	5	10	6	6	6	6	5	5	5	9	11	12	11	11	9	6	6	7
27	3	3	3	3	3	5	6	10	8	10	8	8	8	-	8	9	11	12	11	11	11	9	6	6	7
28	7	5	5	5	3	4	5	7	7	8	10	13	12	12	12	12	13	11	15	14	11	8	6	8	9
29	8	8	6	5	4	4	5	5	6	6	8	8	8	8	9	9	9	7	8	8	7	7	8	11	7
30	10	10	10	10	4	5	8	18	26	18	15	-	12	10	11	11	13	22	26	25	20	15	12	11	14
31	7	6	5	5	5	7	8	15	19	12	10	12	14	13	13	14	16	17	15	15	10	8	9	9	11
MEAN	8	7	7	6	5	6	7	11	14	12	10	10	9	9	9	9	11	12	12	12	11	10	9	9	9.4

PERCENTAGE OF DATA VALID - 98.7 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 1.3

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. -.- INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH													MONTH - FEB 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	7	5	4	5	5	7	9	14	22	14	12	13	11	10	11	11	15	17	16	13	11	12	11	13	11
2	10	9	7	7	8	10	16	23	18	14	8	10	12	20	19	18	23	27	25	28	24	14	16	15	16
3	11	10	9	8	9	7	15	33	35	21	15	14	12	14	-	19	21	21	18	18	17	12	12	16	
4	8	8	7	7	6	5	7	9	13	14	16	14	9	8	7	8	9	12	18	20	26	25	17	18	
5	14	9	7	7	5	4	4	5	4	4	4	4	4	4	4	4	5	5	6	6	6	5	5	4	
6	4	4	4	5	4	5	5	9	8	7	5	7	7	7	7	9	15	15	15	14	6	5	5	4	
7	4	4	3	3	3	4	4	12	9	10	11	12	12	12	12	14	19	21	18	20	16	13	11	7	
8	7	6	5	4	5	7	13	26	30	14	15	14	12	13	14	15	24	28	32	30	23	15	12	13	
9	9	8	6	5	7	7	12	30	30	16	15	14	11	10	-	13	15	25	33	39	18	16	17	18	
10	16	12	10	9	12	12	16	21	32	19	15	10	12	-	13	15	17	25	20	15	12	11	11	13	
11	14	13	9	8	7	7	9	10	13	14	11	11	13	13	12	12	11	14	11	8	9	8	8	8	
12	9	7	6	4	3	4	4	4	5	6	7	8	8	11	8	8	8	9	8	9	9	11	11	7	
13	11	9	4	4	3	4	6	6	7	4	3	4	4	-	-	5	6	7	9	7	8	8	7	6	
14	5	4	3	4	4	6	10	25	23	17	11	12	11	10	8	10	12	-	17	25	28	29	25	23	
15	23	16	14	13	10	15	26	45	44	29	18	12	13	14	13	-	15	14	14	15	15	16	20	19	
16	8	8	6	5	5	9	22	22	16	17	18	17	12	-	12	14	14	12	13	11	10	9	9	12	
17	9	7	7	7	5	4	7	13	13	10	7	8	8	8	-	8	9	10	10	13	15	15	19	20	
18	21	16	14	11	9	8	9	11	11	8	7	8	8	8	8	8	8	8	9	9	8	8	7	9	
19	9	13	13	13	8	8	9	8	7	8	7	6	6	6	6	6	6	7	8	9	10	11	12	11	
20	11	11	11	10	11	15	26	38	32	23	16	15	16	-	8	10	11	13	14	15	14	18	22	20	
21	11	7	5	5	6	8	15	19	17	13	10	7	9	-	-	10	13	13	12	10	9	7	7	8	
22	6	6	4	4	4	4	8	15	14	9	6	7	6	6	6	6	7	9	11	10	7	7	9	8	
23	6	4	4	4	5	9	18	24	15	15	14	10	9	8	10	12	12	11	13	12	9	8	9	10	
24	9	9	7	7	7	6	9	15	16	12	9	-	8	9	9	9	12	13	14	17	13	10	9	10	
25	11	13	11	9	8	9	7	6	5	5	5	4	4	4	5	6	6	14	18	12	9	9	9	10	
26	8	7	9	6	5	4	5	6	7	6	6	6	6	6	6	7	7	7	8	8	6	7	7	7	
27	8	7	7	7	5	6	9	18	16	14	11	9	9	9	-	10	13	15	14	12	9	10	9	8	
28	10	10	10	9	8	8	13	27	32	26	17	14	13	11	11	10	8	7	9	12	8	9	14	21	
MEAN	10	9	7	7	6	7	10	17	18	13	11	10	10	10	9	10	12	14	15	15	13	12	12	12	11.2

PERCENTAGE OF DATA VALID - 97.8 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 2.2

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. -.- INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION										
		STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH														MONTH - MAR 78										
HOUR DAY		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	24	12	11	4	2	2	5	10	7	5	4	3	3	***	3	4	5	7	8	10	7	6	6	4	7	
2	3	2	2	2	2	2	3	12	14	9	5	4	4	4	3	4	7	10	9	11	9	6	8	5	6	
3	4	4	4	3	2	2	2	3	2	2	2	2	2	2	2	2	2	2	3	9	8	5	3	3	3	
4	3	2	2	2	2	1	1	2	2	2	2	3	3	3	3	3	3	3	3	4	5	5	5	6	3	
5	5	4	5	6	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	3	4	3	
6	3	2	2	1	1	2	10	27	25	13	4	2	2	2	3	5	8	9	9	10	7	7	6	9	7	
7	5	2	1	1	1	2	4	15	16	9	5	4	4	4	***	4	7	9	11	10	8	6	3	4	6	
8	3	2	2	2	3	6	9	17	5	3	2	2	2	2	2	2	2	2	2	2	11	21	34	46	8	
9	49	40	34	15	16	18	27	42	43	21	10	8	7	7	***	8	10	10	11	8	4	6	11	13	18	
10	10	6	6	6	6	6	13	15	8	3	2	2	2	2	2	3	3	4	7	21	24	10	5	9	7	
11	16	16	18	13	10	6	5	10	10	7	5	3	5	5	4	5	4	5	6	7	6	4	5	7	8	
12	5	6	5	3	2	2	2	4	3	2	2	3	3	3	3	4	3	3	5	6	7	8	11	8	4	
13	7	12	10	9	14	20	39	62	60	4	2	2	2	2	***	2	2	2	2	2	2	2	2	2	2	
14	2	2	2	2	2	2	2	2	2	2	3	4	3	4	4	4	3	4	3	2	2	2	2	2	3	
15	1	1	1	1	1	1	2	4	6	3	3	4	3	3	3	3	5	9	10	10	6	5	4	5	4	
16	2	2	1	1	1	1	2	4	2	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	
17	2	2	1	1	1	1	2	3	1	1	1	1	1	1	1	1	2	4	7	10	8	7	4	3	3	
18	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	
19	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
20	1	1	1	1	2	4	5	7	1	1	1	1	1	1	***	1	1	1	1	1	1	1	1	1	2	
21	1	1	1	1	1	2	8	16	19	24	25	24	16	11	12	14	14	9	7	9	6	8	3	2	10	
22	2	2	2	2	2	1	3	7	6	3	4	4	***	5	2	2	5	10	11	11	7	6	8	8	5	
23	2	2	1	1	1	1	8	13	6	4	3	2	2	3	3	3	4	4	5	8	12	8	3	2	4	
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
26	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	
27	1	1	1	1	1	2	2	4	3	3	2	5	7	7	6	6	7	7	6	5	5	3	5	4	4	
28	1	1	1	1	1	2	5	9	7	5	4	***	3	5	5	6	9	8	10	7	8	10	15	13	6	
29	9	7	2	1	1	1	4	6	4	2	2	3	2	2	2	2	3	4	6	5	5	5	4	6	4	
30	4	2	2	2	2	5	12	16	13	5	7	6	5	3	3	4	5	4	5	9	5	6	5	5	6	
31	4	3	2	2	3	4	14	9	3	2	2	2	2	2	***	2	2	2	2	2	2	2	2	2	3	
MEAN		6	5	4	3	3	6	11	9	5	4	3	3	3	3	3	4	5	5	6	6	5	5	6	4.9	

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
		STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH														MONTH - MAR 78											
HOUR DAY		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1		30	19	18	9	6	7	11	16	12	11	10	8	8	-	9	10	11	12	12	14	11	10	10	8	12	
2		6	5	5	6	6	5	6	15	18	13	9	8	8	8	7	8	11	14	13	16	14	11	13	10	10	
3		9	9	8	7	4	4	5	7	5	4	4	4	5	5	5	5	6	6	7	14	13	10	7	7	7	
4		7	6	5	4	4	2	3	4	4	4	5	6	6	6	6	6	6	6	6	7	8	8	8	9	6	
5		8	7	8	9	6	5	5	5	5	5	5	5	5	5	5	6	5	6	6	7	6	6	8	9	6	
6		8	7	6	5	5	6	15	31	29	18	9	6	6	7	8	10	13	14	14	14	11	12	11	14	12	
7		9	5	3	3	3	5	8	19	20	13	9	8	8	9	-	8	11	13	15	14	12	10	7	8	10	
8		7	6	6	6	7	11	13	21	9	7	4	3	3	3	3	3	4	4	4	5	16	25	37	50	11	
9		53	44	39	20	21	24	32	46	49	27	16	14	15	14	-	16	18	18	18	15	10	13	18	19	24	
10		16	12	12	12	12	12	19	21	14	8	5	5	6	5	5	5	6	9	15	29	32	19	13	16	13	
11		22	22	24	19	16	13	12	17	17	13	11	9	12	12	11	13	12	13	14	15	14	12	13	15	15	
12		13	14	13	9	7	7	6	10	10	7	6	8	8	8	9	8	7	10	10	12	12	13	15	12	10	
13		11	16	14	13	18	24	42	65	65	9	6	5	6	-	6	5	5	5	4	4	3	3	4	4	15	
14		4	4	3	3	3	3	3	4	4	5	6	9	8	8	8	7	8	8	7	7	6	6	5	5	6	
15		3	3	3	2	2	2	2	4	7	9	6	6	7	7	7	9	13	13	14	14	10	8	7	8	7	
16		5	5	4	3	3	3	5	7	5	3	2	2	2	2	2	2	2	2	2	3	4	4	5	4	2	
17		5	5	4	3	3	3	5	6	3	2	2	2	2	2	2	2	2	2	12	11	11	8	7	6		
18		6	6	4	3	3	3	5	5	5	5	6	6	5	6	6	6	6	6	5	5	4	4	5	5	5	
19		5	4	4	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	4	5	4	4	
20		4	4	4	4	6	8	9	10	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	
21		3	3	3	3	3	5	12	19	22	27	28	27	19	14	15	18	18	13	11	13	10	12	7	6	13	
22		5	5	4	4	4	3	7	11	10	7	8	8	-	10	7	5	9	14	15	15	11	10	12	11	8	
23		5	4	3	3	2	3	12	16	9	8	7	5	6	7	7	6	8	8	9	12	15	11	6	5	7	
24		3	2	2	2	2	2	2	2	2	2	3	3	3	4	4	2	2	3	3	5	5	4	4	4	3	
25		4	3	3	3	4	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
26		1	1	1	1	1	1	1	1	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
27		2	2	2	2	2	3	4	7	6	6	5	8	10	11	10	10	11	11	10	9	9	7	9	8	7	
28		4	3	3	3	3	5	8	12	10	8	7	-	6	8	9	10	13	12	14	11	12	14	19	17	9	
29		13	11	5	4	3	3	7	9	7	5	6	5	5	5	5	6	8	10	9	9	8	8	7	9	7	
30		7	5	5	6	6	8	15	19	17	10	13	12	10	8	7	8	10	9	10	14	10	11	9	9	10	
31		8	6	5	5	6	7	17	12	7	6	4	4	5	-	5	5	4	4	3	3	3	3	3	3	3	6
MEAN		9	8	7	6	6	6	10	14	12	8	7	7	7	7	6	7	8	9	9	9	9	9	9	9	8	

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH													MONTH - APR 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	3	4	4	6	6	7	7	6	5	5	6	6	6	5	5	5	4	4	4	4	4	5
2	3	3	2	2	2	2	2	2	2	3	3	3	3	2	2	3	3	4	9	11	9	7	7	8	4
3	4	2	1	1	1	1	1	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	2	2	3	3	3	3	5	9	5	4	4	4	4	4	7	7	7	6	5	5	14	16	4	4	5
5	3	2	2	2	2	2	6	10	10	6	5	6	5	5	5	7	8	7	12	22	27	21	23	29	9
6	24	15	9	6	5	5	5	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4
7	2	2	2	4	5	4	6	11	11	7	7	7	6	6	6	6	7	6	6	9	8	6	5	6	6
8	4	4	3	2	2	2	2	2	2	4	5	4	6	6	6	6	6	7	7	6	6	7	6	6	5
9	6	4	3	3	3	2	2	2	2	2	3	2	3	4	5	5	4	3	4	5	6	5	6	7	4
10	6	4	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2
11	2	2	2	2	2	2	4	5	5	6	12	16	27	9	8	7	7	7	8	8	7	7	5	5	7
12	4	3	2	2	2	3	7	9	7	5	6	6	8	7	7	7	7	10	6	6	10	18	22	34	10
13	6	7	7	6	5	5	8	10	7	5	6	6	6	6	6	6	7	7	6	6	6	5	4	4	6
14	3	3	3	2	1	1	4	5	4	4	4	4	4	4	5	5	6	7	7	6	7	8	6	8	5
15	8	8	6	3	3	3	3	4	4	4	4	6	6	7	6	8	7	7	8	8	8	7	7	9	6
16	7	8	5	3	3	3	3	3	2	4	5	5	5	5	7	9	10	8	6	5	8	7	8	5	6
17	3	2	2	2	2	5	7	10	8	6	6	6	7	6	7	7	10	10	13	17	8	8	10	13	7
18	12	13	5	4	3	3	4	4	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
20	2	2	2	2	2	2	3	5	5	4	5	5	6	9	9	11	12	10	9	8	6	5	5	5	6
21	3	2	2	2	2	2	5	10	10	6	6	6	5	-	-	-	16	14	12	12	11	10	8	7	7
22	6	4	3	2	2	2	3	4	4	4	6	7	7	7	7	7	7	10	11	13	11	9	8	10	6
23	7	5	3	2	2	4	3	1	1	1	2	3	3	4	5	5	7	10	15	21	30	36	28	8	8
24	16	9	11	7	4	5	7	8	4	2	2	4	6	4	3	4	11	9	13	18	18	10	7	11	8
25	5	5	5	5	3	2	3	4	4	3	-	2	1	0	1	1	1	2	2	4	9	12	28	18	5
26	11	5	6	6	4	3	6	3	3	2	2	2	1	1	2	2	2	3	2	9	18	16	21	18	6
27	9	7	5	3	3	4	8	7	5	2	2	2	3	3	-	6	8	11	11	13	11	11	9	9	7
28	9	4	3	3	3	4	9	18	12	8	7	4	3	5	7	9	10	12	13	21	28	23	22	20	11
29	18	17	12	8	6	5	4	5	8	8	7	6	7	7	8	8	8	10	9	9	8	6	7	7	4
30	3	3	3	3	1	1	1	1	2	2	3	3	3	3	5	5	5	6	5	7	7	7	7	3	4
MEAN	6	5	4	3	3	3	4	6	5	4	4	4	4	5	4	5	5	6	6	7	9	10	9	10	9

PERCENTAGE OF DATA VALID - 98.5 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 1.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH													MONTH - MAY 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	2	2	1	1	4	12	8	6	5	5	4	4	5	6	8	7	6	8	7	8	6	8	5	5
2	3	2	2	1	3	9	17	10	6	5	7	-	5	6	7	11	12	9	9	9	7	8	10	4	7
3	3	3	2	2	3	4	10	8	5	6	7	7	6	8	9	12	13	8	10	12	12	8	12	7	7
4	4	2	1	1	2	9	8	4	1	0	1	1	1	2	-	2	2	2	2	2	3	4	5	2	3
5	2	2	2	2	2	2	3	3	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	2
6	1	1	1	1	1	1	1	2	2	2	2	2	4	4	4	7	17	18	23	30	15	9	10	8	7
7	8	7	5	4	3	3	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
8	1	1	1	1	1	1	1	2	2	2	2	2	2	-	-	5	5	5	4	3	3	5	8	5	3
9	6	6	5	4	4	6	20	17	15	13	7	7	6	7	7	8	10	8	8	7	8	8	6	5	8
10	2	2	2	2	4	6	11	11	8	7	6	6	7	-	7	8	10	6	6	8	11	14	20	14	8
11	16	15	9	10	13	14	16	9	8	7	3	3	3	3	3	4	4	4	4	6	5	6	15	12	8
12	8	6	5	3	3	3	5	7	8	4	5	4	4	-	9	8	6	6	3	3	3	2	2	2	5
13	2	2	2	4	4	2	2	2	2	2	2	2	2	4	3	2	2	9	9	9	9	4	2	2	4
14	2	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	1	2	3	2	2	2	2	2
15	2	2	2	3	3	3	4	2	2	2	2	2	2	2	-	1	2	3	4	4	4	3	2	2	3
16	2	2	2	2	2	3	3	3	3	3	2	2	2	2	2	1	2	2	2	2	3	3	5	12	13
17	3	3	2	2	3	3	4	3	5	4	2	2	7	7	7	12	13	13	14	14	11	16	20	27	15
18	9	6	6	7	9	19	25	13	8	7	7	7	12	13	13	14	14	11	16	20	27	31	39	27	19
19	15	15	17	16	25	39	31	28	28	17	13	-	8	7	7	7	9	-	16	24	22	25	29	13	19
20	9	8	5	5	7	7	9	8	9	8	7	6	7	6	6	8	6	8	7	6	6	7	8	8	7
21	4	2	1	1	1	2	2	2	2	3	3	2	3	3	3	4	5	5	7	8	7	9	12	13	4
22	8	6	7	5	4	5	5	4	3	4	4	4	4	4	4	5	5	6	10	12	20	35	23	7	8
23	6	6	6	7	11	26	11	5	3	2	1	1	-	2	2	3	3	4	6	8	5	10	12	18	7
24	16	10	9	9	11	11	10	10	5	4	2	2	2	2	2	2	4	9	17	24	19	9	6	8	8
25	6	4	4	4	10	20	17	10	7	7	5	4	4	4	6	7	8	9	10	15	11	8	10	6	8
26	6	3	3	2	9	14	15	10	8	7	-	6	5	7	9	10	9	9	14	22	22	24	28	36	12
27	27	27	28	34	25	13	9	8	6	5	3	3	2	3	4	3	4	3	4	4	4	6	6	8	10
28	8	17	15	9	7	6	5	5	4	4	4	4	4	4	3	3	4	3	2	3	3	5	9	7	6
29	4	4	5	5	9	13	17	16	19	19	15	10	7	6	6	5	4	4	3	5	5	7	4	6	8
30	13	11	8	5	6	6	4	6	5	5	3	4	4	4	3	3	3	3	4	4	6	5	4	4	5
31	5	5	6	4	5	11	20	-	8	9	8	6	6	5	6	6	6	5	6	5	6	5	5	4	7
MEAN	7	6	5	5	6	9	10	7	6	5	4	4	4	4	5	5	6	6	7	9	9	9	10	8	6.6

PERCENTAGE OF DATA VALID - 98.1 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 1.9

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH													MONTH - JUN 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	2	4	5	10	9	8	7	7	6	4	3	3	4	3	3	3	3	3	3	4	4	
2	5	4	4	4	6	11	17	26	26	-	17	7	7	7	9	10	9	8	8	9	12	11	11	7	10
3	5	4	3	3	4	4	5	7	7	7	6	6	5	5	5	6	7	5	5	6	8	8	11	11	6
4	12	10	7	7	6	8	7	5	4	3	3	4	4	4	4	5	6	6	6	9	8	7	5	5	6
5	4	6	5	3	4	6	10	9	7	6	6	6	-	5	7	9	8	8	8	9	14	17	16	14	8
6	15	18	15	11	15	25	30	22	14	11	8	6	4	5	5	6	6	6	6	8	9	10	13	11	12
7	8	8	6	5	4	5	6	7	7	5	6	6	-	8	7	8	8	9	10	10	9	11	11	13	8
8	9	9	7	9	12	16	14	16	18	15	11	11	11	-	12	12	11	11	11	12	10	11	8	6	11
9	5	4	3	3	3	9	18	14	9	9	8	8	8	8	8	9	6	6	8	9	9	8	10	9	8
10	10	7	6	6	7	7	12	8	4	5	5	5	5	3	2	2	2	2	3	5	9	12	12	9	6
11	9	5	4	4	5	5	4	4	6	5	6	6	6	4	4	4	5	5	8	8	10	12	7	5	6
12	4	3	3	3	5	9	11	11	9	6	6	6	-	9	8	9	12	19	14	12	8	6	5	4	8
13	3	3	3	3	3	5	10	10	8	8	8	7	7	-	8	10	9	7	8	9	10	10	8	6	7
14	4	4	3	3	4	8	15	12	8	10	8	8	8	8	8	11	10	8	9	11	11	14	16	11	9
15	7	6	4	3	5	11	17	13	9	8	9	6	-	9	10	13	10	11	15	17	20	24	26	24	12
16	23	22	18	16	15	12	11	12	7	4	4	-	-	5	4	4	4	4	4	4	5	7	8	10	9
17	10	11	12	11	7	5	5	5	7	9	8	8	9	9	9	10	7	7	7	12	9	6	7	7	8
18	5	5	5	5	5	5	5	5	5	6	6	5	5	5	5	5	6	6	6	6	9	9	9	5	6
19	6	6	6	5	7	10	25	23	16	9	9	7	-	-	9	13	13	8	7	9	9	9	13	18	11
20	19	19	16	12	11	24	40	26	14	10	7	8	-	7	6	7	7	4	3	5	5	5	6	5	12
21	9	8	7	6	6	7	6	7	14	14	10	11	11	15	14	13	13	10	11	10	8	10	12	9	10
22	7	5	3	3	3	8	13	11	7	6	6	6	6	6	7	9	9	7	8	10	22	32	18	13	9
23	6	4	1	1	2	5	10	9	6	5	6	4	-	7	8	10	11	9	11	15	13	12	6	7	7
24	8	6	5	1	3	5	6	7	4	5	5	3	6	5	5	5	5	5	6	11	19	22	23	37	9
25	57	55	39	23	23	25	16	7	5	4	2	2	2	1	1	1	1	1	2	2	2	5	8	8	12
26	7	6	5	5	6	6	6	8	6	7	8	8	9	10	8	9	10	9	11	10	13	18	16	13	9
27	14	14	11	10	11	16	23	28	22	19	20	20	14	7	6	7	8	10	9	8	11	11	12	12	13
28	9	9	7	9	10	13	16	17	12	10	12	12	12	8	10	11	9	8	9	8	9	10	11	10	10
29	8	5	4	3	4	8	16	13	8	6	6	5	5	6	7	10	9	6	7	11	9	8	9	7	8
30	5	3	1	1	2	3	4	3	2	3	-	7	7	8	8	8	8	7	10	11	10	8	8	5	6
MEAN	10	9	7	6	7	10	13	12	9	8	8	7	7	7	7	8	8	7	8	9	10	11	11	10	8.7

PERCENTAGE OF DATA VALID - 98.2 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 1.8

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. "-" INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH													MONTH - JUL 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	3	4	3	3	6	6	3	1	1	2	4	4	4	5	5	5	5	6	12	14	15	20	13	6
2	12	5	5	4	5	3	2	1	2	1	2	1	1	1	1	1	1	1	1	2	2	2	4	3	3
3	3	3	3	2	2	2	2	3	2	2	2	2	2	2	3	2	3	4	3	2	3	2	2	3	3
4	2	3	2	2	2	3	3	2	2	2	2	2	2	-	2	2	2	2	5	11	13	17	23	25	6
5	17	12	10	8	10	17	28	18	13	15	10	10	11	-	5	7	8	7	7	9	14	11	9	9	12
6	10	11	10	9	11	18	21	15	11	11	10	8	9	8	8	9	8	8	9	10	10	10	10	11	11
7	7	7	7	6	8	14	18	17	14	15	12	11	11	9	9	10	9	9	10	13	15	11	15	11	11
8	10	9	9	9	9	11	14	15	15	14	15	14	12	12	11	10	9	8	8	9	10	9	10	11	11
9	8	8	8	6	5	6	6	7	7	7	7	8	8	13	7	9	7	7	8	10	12	18	13	13	9
10	10	8	6	6	7	8	9	8	7	7	6	-	-	4	6	9	7	6	7	8	7	6	8	5	7
11	4	3	3	3	3	7	13	11	7	6	6	6	7	7	7	8	8	7	9	10	12	13	11	7	7
12	7	6	5	5	6	11	21	16	12	10	9	10	9	-	6	6	6	7	6	9	15	14	13	15	10
13	12	11	8	7	6	9	10	10	8	9	11	11	8	8	8	9	9	12	10	14	14	18	20	15	11
14	11	9	7	7	10	14	18	16	13	14	16	-	13	14	10	8	5	4	4	7	10	10	9	11	10
15	9	9	8	7	9	12	18	12	10	9	8	7	7	7	6	7	7	9	6	8	6	8	10	8	9
16	7	5	4	4	4	3	3	3	4	4	4	3	4	5	6	6	4	5	5	7	6	6	7	5	5
17	5	4	3	3	3	6	13	9	6	7	6	6	-	6	5	9	7	7	10	14	14	12	14	12	8
18	11	7	7	7	7	9	15	26	18	16	12	15	14	13	10	9	12	12	6	6	7	7	11	12	10
19	7	7	7	7	6	11	21	17	15	13	10	8	-	7	8	9	9	12	11	12	15	14	16	16	12
20	11	8	6	7	8	14	17	16	14	14	15	12	12	9	8	9	9	12	15	14	13	14	10	12	12
21	11	11	8	7	7	10	16	12	8	12	7	10	15	19	-	14	12	13	15	18	16	11	12	13	12
22	18	17	11	11	13	14	12	8	9	10	8	11	12	9	7	8	10	9	8	11	8	8	9	9	10
23	9	7	7	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	8	9	10	10	7	7	7
24	6	5	5	5	6	9	14	12	4	4	5	6	5	5	5	4	4	2	3	4	5	5	6	6	6
25	9	10	9	7	5	6	6	5	4	4	4	-	4	5	5	5	4	4	4	4	4	4	12	12	8
26	10	8	5	5	6	10	14	10	10	9	10	9	7	7	9	9	9	12	9	7	8	8	7	9	9
27	7	5	5	4	4	9	13	11	9	8	8	8	9	-	-	5	6	6	9	7	6	5	4	3	7
28	3	3	3	3	3	5	6	5	3	4	4	4	4	-	-	6	6	5	7	11	8	6	9	15	6
29	9	6	6	8	7	6	5	4	4	4	3	4	6	7	9	11	6	6	5	5	4	2	3	3	6
30	3	2	1	1	1	1	1	2	1	1	2	1	2	1	1	1	1	1	1	1	3	9	7	4	2
31	3	3	2	2	2	3	4	3	1	1	1	1	2	2	2	2	2	2	3	3	3	9	17	12	4
MEAN	8	7	6	6	6	9	12	10	8	8	7	7	7	7	6	7	7	6	7	9	9	10	11	10	7.9

PER



POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH													MONTH - AUG 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	13	14	13	15	20	20	28	20	13	5	4	4	4	5	5	2	3	3	2	2	3	8	8	10	
2	11	13	11	10	11	13	15	14	8	6	4	-	-	9	5	5	6	5	6	6	-	-	-	-	
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	11	9	6	6	3	****
4	0	0	0	0	0	2	12	10	6	-	-	-	8	6	6	6	5	6	7	14	17	13	13	16	
5	12	16	18	18	18	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	7	8	12	****
6	9	9	10	12	11	10	9	9	5	4	3	3	3	3	7	6	4	5	5	9	10	11	20	29	
7	23	19	10	6	5	6	7	5	3	2	2	2	2	2	2	2	2	2	2	3	3	7	7	10	
8	9	7	6	5	6	11	19	16	10	7	7	7	-	6	6	7	7	6	6	6	7	6	5	3	
9	4	3	3	2	3	6	8	10	9	8	9	7	6	10	11	9	8	8	8	10	8	9	9	7	
10	5	3	3	3	3	9	17	11	3	2	2	2	2	2	3	5	6	3	5	13	16	27	28	26	
11	27	15	11	12	13	16	21	7	3	3	3	2	-	1	1	1	1	1	1	2	4	14	18	30	
12	33	16	10	10	10	12	9	5	5	3	3	2	2	2	4	5	3	4	5	11	14	15	19	19	
13	17	15	14	11	13	13	11	6	4	3	4	3	3	3	2	2	3	3	6	8	12	8	14	15	
14	12	12	10	8	6	13	22	27	13	11	8	7	7	3	4	4	6	6	5	6	9	10	8	10	
15	6	3	2	2	2	3	4	4	3	4	4	4	2	2	1	1	2	6	5	5	4	1	1	2	
16	2	1	2	2	2	3	5	4	4	4	4	3	3	3	4	4	4	4	4	4	3	2	3	2	
17	1	1	1	1	1	3	7	6	4	4	4	4	4	-	5	5	6	6	5	7	10	10	7	7	5
18	8	12	11	9	10	14	22	14	4	2	3	6	7	7	7	5	3	3	3	3	2	2	3	3	
19	3	3	4	3	4	4	4	4	7	5	6	4	4	4	4	4	5	7	6	5	4	4	3	3	
20	3	2	2	2	2	2	3	3	2	4	4	4	4	4	4	3	3	5	8	9	8	7	5	4	
21	3	2	2	3	4	8	16	13	4	2	2	2	2	1	1	1	1	1	6	10	10	13	16	13	
22	17	13	22	19	15	18	22	21	12	9	8	6	7	6	6	8	7	7	8	10	9	9	18	24	
23	30	17	12	12	10	14	29	20	6	3	2	-	3	6	7	6	4	3	3	3	6	9	11	8	
24	8	7	6	6	5	4	8	15	14	16	16	15	13	13	5	3	3	3	3	4	3	4	3	3	
25	3	3	3	3	3	5	8	6	4	4	-	5	6	6	7	8	9	13	6	20	22	25	14	11	
26	11	8	5	4	4	4	8	6	5	5	6	4	6	5	6	5	5	6	9	14	16	6	6	7	
27	6	5	3	3	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
28	2	2	2	2	2	3	4	9	6	-	-	-	-	-	-	-	-	-	-	8	6	6	4	3	****
29	3	2	2	3	3	8	14	16	14	10	7	9	7	6	6	6	5	6	7	9	12	14	18	14	
30	12	9	7	8	11	22	37	30	28	15	12	9	7	6	7	8	9	10	14	16	7	8	5	4	
31	3	3	3	3	3	5	14	14	6	5	4	3	4	5	6	6	6	6	8	10	16	28	30	22	
MEAN	10	8	7	7	7	9	13	11	7	5	5	5	5	5	5	5	5	5	6	8	9	10	10	11	7.4

PERCENTAGE OF DATA VALID - 92.3

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 7.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																																			
POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION																						
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH													MONTH - SEP 78																						
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN										
1	17	8	5	5	5	9	15	9	7	5	6	6	7	-	-	-	-	-	-	9	9	8	9	11	8										
2	12	10	9	8	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****										
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
4	-	-	-	-	-	-	-	-	-	14	14	-	5	-	5	6	9	8	10	11	11	6	6	5	*****										
5	5	5	6	6	5	6	11	14	11	10	8	5	5	4	-	6	7	7	10	13	11	8	3	3	7										
6	2	1	1	1	2	5	11	8	4	3	3	3	3	3	2	2	2	2	2	3	3	2	2	3	3										
7	3	3	3	3	2	1	1	1	4	3	2	1	2	2	1	1	1	5	14	14	12	10	8	6	4										
8	7	6	4	3	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	4	4	2	1	1	2										
9	1	1	1	1	0	1	1	1	1	1	1	1	2	1	1	1	1	2	2	6	7	7	5	2	2										
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
11	9	8	8	9	11	18	39	35	25	21	16	13	10	8	6	7	6	6	8	6	6	9	12	5	12										
12	5	6	5	3	2	3	5	5	5	4	4	3	4	4	4	3	2	3	4	5	3	3	3	2	4										
13	2	1	1	1	2	4	5	3	2	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	2										
14	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	3	3	3	4	2	4	3	3	2										
15	3	4	4	3	3	9	20	14	9	7	7	7	5	6	6	7	8	9	7	9	9	8	7	10	9										
16	4	4	4	3	3	5	6	6	6	6	6	6	6	6	6	7	8	9	7	9	9	8	7	10	9										
17	10	13	7	4	3	3	3	3	2	2	3	3	4	2	2	2	2	3	5	3	3	3	3	3	4										
18	2	2	2	2	2	3	8	5	3	3	4	3	3	4	3	2	4	3	3	4	4	4	4	3	4										
19	3	3	3	2	2	8	14	11	8	4	4	4	4	2	4	5	4	5	6	5	5	3	2	3	5										
20	3	3	2	3	4	9	9	5	7	4	4	4	4	3	3	5	4	4	4	5	7	7	12	14	5										
21	12	12	14	16	14	18	28	36	20	9	8	9	9	9	10	11	9	10	11	9	8	7	8	5	13										
22	4	2	2	2	2	6	10	9	5	3	3	3	3	3	5	5	6	7	10	19	13	10	9	9	6										
23	6	7	6	4	6	6	11	12	8	3	3	3	3	3	3	2	1	1	2	3	4	5	6	25	6										
24	29	33	25	12	12	11	8	6	7	5	6	6	5	5	5	5	5	6	10	11	17	10	8	5	11										
25	3	1	2	2	3	8	18	15	8	6	7	6	6	7	8	9	5	6	6	6	5	5	5	5	8										
26	6	5	2	2	2	3	11	16	3	3	5	6	5	5	6	6	6	7	9	10	13	7	4	4	3										
27	4	4	5	5	6	9	12	11	9	9	8	5	5	5	6	7	10	10	11	15	11	12	15	17	19										
28	2	2	2	2	2	6	16	14	8	6	6	6	6	6	6	7	10	10	11	15	11	12	15	17	19										
29	20	16	17	16	15	27	21	36	14	6	6	5	-	2	2	1	2	2	2	2	1	1	2	3	10										
30	5	6	3	3	4	4	4	3	5	5	4	4	4	5	5	5	3	3	3	4	7	7	4	4	4										
MEAN	7	6	5	5	5	7	11	11	7	6	5	5	4	4	4	5	5	5	7	7	7	6	6	6	6.1										
PERCENTAGE OF DATA VALID - 87.4													PERCENTAGE OF DATA INVALID - 0.0													PERCENTAGE OF DATA UNAVAILABLE - 12.6									

PERCENTAGE OF DATA VALID - 87.4

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 12.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH													MONTH - OCT 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	7	8	8	10	9	9	8	5	6
2	3	3	3	3	5	16	23	19	7	5	5	3	3	5	6	8	9	10	7	5	10	12	18	16	9
3	13	7	4	3	2	3	3	3	3	2	2	3	3	3	4	3	3	3	3	3	3	3	3	4	4
4	4	2	2	2	4	7	10	13	10	14	21	-	-	6	8	8	11	11	12	20	21	17	18	13	11
5	10	11	8	6	6	16	28	14	6	5	5	4	5	4	2	2	2	2	2	2	2	4	7	5	7
6	4	4	4	3	3	9	13	9	7	6	6	7	9	8	8	10	9	13	11	9	7	5	5	4	7
7	4	2	2	2	2	3	5	5	5	5	6	7	7	7	8	7	7	7	7	5	5	5	6	5	5
8	4	3	3	3	3	3	3	3	3	3	4	3	5	5	5	5	5	7	9	12	21	16	15	13	7
9	12	10	10	10	13	14	20	11	10	8	5	5	4	4	4	5	5	7	7	5	5	7	5	5	8
10	4	5	5	4	5	8	14	15	15	11	9	9	8	9	8	13	15	18	12	12	12	16	17	17	11
11	18	14	12	14	9	17	20	16	14	9	7	5	4	-	5	7	5	8	8	6	5	5	4	3	9
12	3	3	3	3	3	6	8	8	7	7	6	6	7	7	7	10	11	18	10	8	10	10	15	13	8
13	7	5	6	6	8	15	28	15	10	9	-	9	7	6	7	12	9	13	7	6	4	2	4	2	9
14	2	3	2	2	2	5	5	5	5	6	6	6	8	9	7	7	12	10	8	6	6	7	14	13	6
15	9	6	5	4	4	3	2	4	3	3	4	4	4	2	2	2	2	3	5	5	5	6	7	3	4
16	2	1	1	1	1	3	6	5	4	3	3	3	2	1	1	1	2	4	9	23	26	19	8	6	
17	8	8	6	6	8	16	36	38	12	5	12	12	10	-	8	11	11	17	22	14	12	9	9	16	13
18	19	26	26	21	18	22	34	32	24	21	17	14	12	10	9	12	13	13	12	11	10	10	12	9	17
19	7	5	3	3	3	12	27	25	24	22	10	8	8	8	13	21	16	19	22	20	18	13	8	5	13
20	5	3	3	4	7	12	32	43	24	16	15	13	9	8	8	9	10	13	12	13	11	9	12	11	13
21	10	7	5	6	7	7	11	11	10	9	9	9	9	8	7	7	9	9	7	7	7	7	6	5	8
22	6	5	5	4	4	4	5	5	4	5	5	7	7	6	5	7	8	7	8	6	8	9	10	8	6
23	3	2	2	2	3	6	13	13	10	9	10	10	8	8	9	11	11	12	11	9	11	11	14	17	9
24	17	15	15	16	18	29	41	34	21	16	15	10	-	-	-	9	9	8	8	8	8	6	7	6	15
25	6	4	5	5	5	10	14	11	9	8	8	7	6	6	7	9	8	9	10	7	6	6	6	6	7
26	6	5	4	4	5	8	14	14	11	13	12	10	9	10	10	12	14	16	14	13	10	10	8	6	10
27	5	3	3	3	5	9	18	20	12	8	8	10	11	10	11	11	12	15	14	12	11	9	10	8	10
28	7	8	7	6	8	9	12	13	9	8	6	7	6	7	9	9	11	12	9	8	7	9	10	12	9
29	13	12	6	5	5	4	3	3	3	3	3	3	2	2	2	2	2	5	7	8	13	14	12	14	6
30	14	9	4	2	2	2	3	3	4	5	5	3	4	4	4	4	5	8	11	35	21	9	8	7	7
31	7	6	6	5	6	7	14	26	21	17	19	11	9	-	9	13	14	15	11	9	9	10	9	9	11
MEAN	8	6	6	5	6	9	15	14	10	9	8	7	7	6	7	8	9	10	10	10	10	9	10	9	8.7

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 1.2

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH													MONTH - NOV 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	8	7	4	4	5	7	19	33	24	11	5	5	8	7	7	9	15	18	19	20	17	20	22	14	13
2	10	8	8	8	7	7	10	17	23	13	11	10	9	9	8	10	13	18	15	17	18	19	24	41	14
3	47	48	45	38	36	28	47	64	52	9	8	6	7	6	-	4	5	7	8	10	20	18	16	18	24
4	22	26	23	21	19	12	13	14	16	15	15	13	14	17	13	15	17	20	31	44	65	72	49	39	25
5	34	28	23	19	12	7	5	5	5	6	6	7	7	7	7	6	8	9	10	11	9	10	8	7	11
6	6	5	5	5	5	6	11	20	12	12	12	13	12	13	-	14	13	13	11	10	10	12	10	10	10
7	5	4	4	3	3	3	10	20	19	10	5	5	5	5	7	10	16	22	25	19	15	13	10	12	10
8	11	9	8	8	9	14	39	89	77	29	19	11	8	7	8	8	11	11	9	9	8	9	7	18	18
9	6	5	5	4	4	4	8	13	14	10	9	9	10	10	11	13	20	21	23	29	37	33	38	36	16
10	23	19	20	19	19	12	18	19	13	6	4	4	3	-	4	5	5	4	4	4	4	5	7	15	10
11	12	27	17	14	13	17	19	11	14	9	11	10	12	12	12	15	10	13	11	8	6	5	3	3	12
12	2	2	1	1	1	1	1	1	1	1	1	1	2	2	1	1	2	4	4	6	4	4	3	2	2
13	2	1	1	1	1	1	3	7	6	6	7	3	2	2	3	4	4	4	5	6	8	6	5	5	4
14	4	6	5	4	4	4	5	8	9	8	5	5	5	5	4	6	7	8	6	5	5	4	4	4	5
15	4	2	2	2	2	2	5	11	14	9	7	7	7	-	9	11	15	24	35	37	40	44	49	57	17
16	46	40	21	6	4	5	18	57	46	8	3	1	1	1	1	1	2	6	4	3	2	1	1	1	12
17	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	4	4	4	6	9	6	5	5	5	3
18	4	3	3	3	2	1	2	3	4	5	5	5	6	6	7	8	11	9	8	8	8	5	5	5	5
19	5	5	4	3	2	2	2	2	2	2	2	3	3	3	3	4	5	6	7	8	6	5	5	3	4
20	2	2	1	1	1	1	2	4	5	4	3	3	4	-	3	6	5	4	7	7	3	3	3	4	3
21	3	2	1	1	1	1	3	6	6	4	3	2	2	2	2	2	2	4	6	12	14	12	11	9	5
22	6	5	4	4	5	5	7	10	13	11	2	-	-	0	0	0	1	1	1	1	0	0	1	1	4
23	1	1	0	0	0	0	1	2	2	2	1	2	1	1	2	3	9	9	7	7	7	7	6	6	3
24	6	5	4	4	3	3	5	12	15	12	13	12	7	6	-	-	12	14	11	8	6	4	3	4	8
25	3	4	2	2	2	2	3	5	6	7	8	9	8	7	8	10	9	10	14	12	8	6	4	2	6
26	2	2	2	2	2	1	2	2	2	1	2	2	2	2	2	2	2	4	5	3	2	2	2	2	2
27	2	1	1	1	1	2	2	2	2	2	2	2	2	2	3	4	4	3	3	3	4	3	4	4	2
28	4	2	2	2	3	4	9	16	22	17	14	14	13	12	-	21	24	15	10	8	7	8	7	10	7
29	6	5	4	5	5	5	8	13	14	9	8	7	7	7	7	9	9	10	8	7	6	6	6	5	7
30	4	4	4	3	2	2	3	7	8	7	6	6	6	6	-	7	9	10	10	10	8	8	9	9	6
MEAN	10	9	8	6	6	5	9	16	15	8	7	6	6	6	5	7	9	10	11	11	12	12	11	11	9.9

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH													MONTH - DEC 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	3	2	1	1	1	7	12	14	11	13	14	16	20	21	17	11	17	13	10	10	10	7	7	10
2	5	4	4	2	2	2	4	6	8	10	8	7	7	7	12	10	13	10	8	9	6	5	4	3	7
3	3	3	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	4	5	2
4	5	4	5	4	3	3	6	9	10	7	6	5	5	5	5	5	6	6	6	5	5	4	5	5	5
5	4	3	2	2	2	2	4	7	9	8	7	7	7	-	6	10	11	11	9	9	8	6	6	6	6
6	5	4	4	4	4	5	9	19	19	14	11	9	7	6	9	10	12	15	13	11	7	8	9	10	9
7	7	5	4	4	4	2	3	5	11	10	5	4	2	2	2	2	2	2	2	2	2	2	2	2	4
8	4	9	11	13	13	13	14	24	22	16	14	10	9	-	12	15	17	15	8	10	11	10	7	3	12
9	2	2	2	1	1	1	2	5	8	8	7	7	6	6	6	6	6	5	6	5	4	4	3	5	5
10	4	3	2	2	2	2	2	2	2	3	3	3	5	5	5	6	5	5	5	5	5	5	5	5	4
11	4	3	2	3	3	3	6	14	16	13	11	11	13	14	14	15	17	12	10	11	16	9	6	7	10
12	6	5	5	5	5	5	6	9	11	9	7	7	7	-	7	12	12	10	7	6	5	5	5	5	7
13	4	4	4	4	4	4	6	7	6	6	6	6	6	5	5	5	6	6	6	5	4	3	3	3	5
14	3	2	1	1	1	1	3	7	13	12	9	6	5	5	5	8	10	9	8	6	6	5	3	3	6
15	3	3	3	3	3	3	4	6	8	7	6	5	6	6	6	-	8	9	9	9	9	8	8	7	6
16	6	7	7	6	5	6	10	16	17	15	15	13	12	9	10	10	8	10	6	6	6	7	7	5	9
17	6	5	6	5	4	1	1	1	1	1	2	3	3	3	3	3	4	3	3	3	3	4	4	3	3
18	3	3	2	2	1	3	6	13	14	15	17	16	11	10	8	8	10	14	12	11	10	8	6	6	9
19	5	4	2	2	1	1	4	12	14	11	7	8	8	8	-	8	13	13	11	13	8	5	3	3	7
20	2	2	2	2	2	2	2	4	6	5	2	1	1	1	1	2	2	2	2	3	3	3	4	5	3
21	9	7	7	4	3	3	3	5	5	4	4	4	3	3	5	5	10	14	12	13	12	10	11	11	7
22	7	7	3	3	2	2	4	7	9	12	8	7	7	7	7	8	8	7	6	7	7	6	5	4	6
23	4	3	2	2	2	2	2	3	4	5	6	6	6	6	7	7	10	13	20	28	34	37	37	36	12
24	35	29	29	16	7	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	6
25	2	2	2	2	2	1	2	3	3	4	6	6	7	3	3	3	2	2	2	3	3	3	3	3	3
26	3	3	2	1	1	1	1	2	2	2	3	5	5	5	6	5	6	6	6	6	5	6	7	4	4
27	6	3	3	2	1	1	3	8	10	8	7	6	8	14	-	6	8	8	7	7	6	5	10	6	6
28	13	9	4	2	1	2	5	11	22	16	13	9	8	10	13	13	19	26	26	20	18	18	11	10	12
29	10	7	4	4	5	5	6	12	11	7	6	6	2	2	2	3	7	9	7	7	5	3	3	3	6
30	4	3	2	2	1	1	2	2	3	3	3	2	2	2	2	3	4	5	6	8	6	9	10	10	4
31	14	18	15	8	7	12	14	11	9	8	11	13	9	6	5	5	5	5	5	5	5	5	5	5	9
MEAN	6	5	5	4	3	3	5	8	9	8	7	7	7	6	7	7	8	9	8	8	8	7	6	6	6.5

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	9.4	20	57
FEB	28	11.2	19	45
MAR	31	8.3	24	65
APR	30	5.8	11	36
MAY	31	6.6	19	39
JUN	30	8.7	13	57
JUL	31	7.9	12	28
AUG	28	7.4	13	37
SEP	26	6.1	13	39
OCT	31	8.7	17	43
NOV	30	9.1	25	89
DEC	31	6.5	12	37
YEAR	358	8.0	25	89

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	258	244	183	32	12	4	1	734
FEB	91	273	238	44	9	2	0	657
MAR	313	235	157	17	5	5	3	735
APR	408	232	52	17	2	0	0	709
MAY	403	213	84	23	7	0	0	730
JUN	202	333	143	23	4	0	2	707
JUL	227	324	171	8	0	0	0	730
AUG	324	211	124	26	2	0	0	687
SEP	361	181	74	8	5	0	0	629
OCT	259	275	164	28	7	2	0	735
NOV	333	193	125	24	15	11	8	709
DEC	379	237	108	9	5	0	0	738
YEAR	3556	2951	1623	259	73	24	14	8500

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT  
OF DATA  
VALID

97.0

0

1.6

3.8

5.9

8.7

14.6

19.0

26.7

33.0

89

8.0

CONCENTRATIONS  
FREQUENCY DISTRIBUTION, PERCENT

MAX

ARITH  
MEAN

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34002 SC CTR 770 DON MILLS RD, NORTH YORK

MONTH - JUL 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1												- DATA INVALID -													
2												- DATA INVALID -													
3												- DATA INVALID -													
4												- DATA INVALID -													
5												- DATA INVALID -													
6												- DATA INVALID -													
7												- DATA INVALID -													
8												- DATA INVALID -													
9												- DATA INVALID -													
10												- DATA INVALID -													
11												- DATA INVALID -													
12												- DATA INVALID -													
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22												- DATA INVALID -													
23												- DATA INVALID -													
24												- DATA INVALID -													
25												- DATA INVALID -													
26												- DATA INVALID -													
27	3	2	2	2	2	2	3	4	3	3	3	3	2	2	2	2	4	3	5	4	2	2	2	2	3
28	1	1	1	2	2	2	3	3	2	-	0	0	0	0	2	3	4	4	3	4	4	4	4	7	2
29	10	9	9	7	4	4	3	3	3	1	2	2	2	3	4	4	1	1	1	1	1	0	1	1	3
30	1	1	0	0	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	2	3	7	7	5	2
31	6	7	7	5	3	3	5	4	2	2	2	2	2	2	2	2	3	1	2	3	4	6	7	9	4
MEAN	4	4	4	3	2	2	3	3	2	2	2	2	1	1	2	2	3	2	2	3	3	4	4	5	2.7

PERCENTAGE OF DATA VALID - 16.0

PERCENTAGE OF DATA INVALID - 83.9

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "- " INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK														MONTH - AUG 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	9	10	10	11	10	12	15	21	9	4	3	3	2	2	2	2	3	4	3	4	6	6	8	7	7
2	7	6	7	7	7	7	13	15	9	4	4	3	2	2	2	3	3	4	5	5	5	3	2	3	5
3	2	2	2	1	1	3	4	4	4	2	2	3	2	1	1	1	1	3	5	2	2	1	1	1	2
4	1	1	1	0	0	2	4	4	2	0	0	0	3	3	1	1	1	3	3	5	10	8	10	3	3
5	12	12	14	14	14	14	14	13	9	3	3	1	0	1	2	1	1	1	1	2	2	2	5	4	6
6	7	8	6	6	7	7	8	6	4	3	3	3	1	1	1	1	1	1	2	3	4	7	7	8	4
7	10	12	12	11	10	10	8	6	4	2	1	1	1	1	3	3	1	2	3	4	5	5	7	6	5
8	6	7	7	9	6	6	8	5	8	3	-	3	3	3	3	3	3	3	2	2	2	2	1	1	4
9	2	1	1	1	1	1	2	3	6	6	4	3	2	2	2	3	3	4	5	2	2	5	6	7	3
10	4	3	1	1	1	1	5	6	4	2	2	2	2	2	2	1	3	3	3	3	6	8	9	12	4
11	15	18	19	18	17	13	15	18	7	4	4	4	2	3	3	3	3	4	4	2	7	7	7	9	9
12	14	17	18	18	16	15	15	12	5	3	2	3	2	2	1	1	2	2	3	6	7	8	9	8	8
13	10	10	10	9	9	10	10	7	4	2	3	2	2	2	2	1	1	1	2	4	5	8	9	8	5
14	7	7	6	6	6	6	10	14	9	11	9	5	3	2	1	2	2	1	2	3	3	7	7	7	6
15	7	7	6	6	6	6	9	8	5	3	2	1	2	1	1	1	2	2	7	7	10	5	2	2	5
16	4	3	2	2	1	1	2	3	3	2	2	2	1	1	-	3	2	2	2	2	2	2	1	2	2
17	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	2	2	2	3	4	4	5	5	5	7
18	9	8	9	11	10	10	16	23	10	2	3	4	3	2	2	2	3	4	4	4	5	5	5	5	7
19	3	4	4	4	3	4	5	4	3	4	3	3	2	1	1	1	1	1	2	1	1	1	2	3	4
20	1	1	1	0	0	1	2	1	1	0	0	0	0	0	0	1	1	1	1	2	4	3	3	4	1
21	3	4	4	4	4	5	12	16	15	8	5	2	1	1	1	1	1	1	2	5	6	10	11	12	6
22	13	14	16	18	17	18	23	29	25	6	3	2	-	3	4	2	3	3	3	6	10	12	14	11	11
23	18	18	18	15	13	11	17	22	25	7	4	1	1	3	4	4	3	3	4	3	4	9	5	9	9
24	11	9	8	7	4	3	5	10	11	11	10	7	11	11	6	5	3	3	3	2	2	2	2	2	6
25	2	2	2	2	2	3	9	8	4	3	4	3	2	4	4	6	8	10	11	10	11	12	12	15	6
26	15	14	10	8	5	4	4	4	3	1	1	1	3	2	2	3	3	3	4	5	9	8	7	7	5
27	10	10	4	3	1	1	2	2	2	1	1	1	1	1	1	1	1	1	3	3	3	2	2	2	2
28	1	1	1	1	1	2	6	8	5	4	4	3	2	2	-	4	3	3	4	5	3	2	1	1	3
29	0	0	0	1	1	4	5	8	8	5	6	5	3	2	1	1	1	1	3	4	5	8	10	11	4
30	12	11	10	8	8	9	16	25	18	11	7	3	4	3	3	4	5	5	6	5	6	6	4	4	8
31	3	4	2	2	2	2	8	13	11	6	3	2	1	1	1	1	2	2	7	12	12	16	23	26	7
MEAN	7	7	7	7	6	6	9	10	8	4	3	3	2	2	2	2	2	3	4	4	5	6	6	7	5.1

PERCENTAGE OF DATA VALID - 99.5 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 0.5

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK															MONTH - SEP 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	26	26	23	20	15	15	20	18	10	2	2	4	4	4	4	4	4	4	4	9	7	8	8	5	10
2	8	8	8	7	5	5	7	7	6	4	4	3	3	2	1	1	1	1	3	3	3	4	3	4	4
3	4	3	2	2	2	2	4	4	2	2	2	2	2	2	3	2	1	1	1	1	1	2	3	1	2
4	1	1	1	2	2	2	3	3	2	2	2	1	1	1	1	2	2	3	3	6	2	2	4	5	2
5	6	5	5	5	6	6	14	21	11	5	7	8	3	-	1	3	4	4	5	6	8	5	5	4	6
6	3	3	4	4	5	5	5	6	8	8	4	1	1	1	2	2	2	3	5	8	6	4	1	1	4
7	1	0	0	0	0	1	2	3	3	3	2	2	2	2	2	2	2	2	3	3	2	1	2	1	2
8	1	1	1	1	1	1	3	3	4	3	2	2	2	2	2	2	2	2	4	7	8	8	6	4	3
9	3	4	4	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	10	6	3	2	3
10	2	2	2	1	1	1	1	2	3	3	3	4	4	2	2	2	3	4	4	4	8	10	12	12	4
11	12	12	11	12	13	16	23	30	37	27	11	11	6	5	5	3	3	3	5	7	6	7	6	5	12
12	4	4	3	3	2	3	5	5	5	5	-	2	2	2	2	3	3	4	5	5	3	3	3	2	3
13	2	2	2	2	2	3	6	6	3	2	2	2	1	1	2	3	3	3	4	3	4	4	3	2	3
14	1	1	2	2	2	3	4	4	4	4	4	4	5	6	6	5	8	6	4	4	3	2	2	3	4
15	1	1	3	3	2	3	6	9	7	3	2	1	2	2	2	2	2	3	4	3	2	3	3	2	3
16	1	1	1	1	1	1	2	1	2	1	0	0	0	0	0	1	1	1	1	2	3	4	5	8	2
17	9	8	11	11	6	2	1	1	2	2	2	2	2	2	2	2	2	3	3	3	4	4	4	3	3
18	1	1	1	1	1	1	6	6	5	2	3	-	-	3	3	3	5	5	5	6	5	3	4	2	5
19	3	2	2	1	3	3	8	12	9	6	7	-	-	3	3	3	5	5	5	6	5	3	4	3	3
20	2	2	2	2	1	3	6	7	4	3	3	3	3	3	3	3	4	6	8	7	10	7	7	8	4
21	8	9	11	9	9	11	17	29	29	3	3	2	2	2	2	2	2	3	3	1	1	1	2	1	7
22	1	1	1	1	1	2	8	10	5	-	2	2	3	2	2	2	3	4	5	5	3	3	3	2	3
23	12	10	9	8	8	9	10	12	17	5	3	2	2	2	2	1	1	2	4	5	12	9	11	14	7
24	19	25	28	27	22	17	14	14	9	5	3	3	4	3	3	2	3	3	4	5	7	7	6	4	10
25	2	1	1	1	1	3	5	5	2	2	2	2	2	2	2	2	2	2	3	3	3	5	7	7	3
26	9	7	7	4	3	5	16	26	2	2	0	0	3	3	3	2	3	3	3	3	3	3	3	3	5
27	2	2	5	4	3	4	7	8	6	4	3	4	4	3	3	5	4	6	7	3	1	1	1	4	4
28	1	1	1	1	1	1	4	5	2	2	2	2	2	2	2	3	3	5	9	12	15	19	19	5	
29	20	22	21	22	20	22	28	36	46	20	5	3	4	1	2	3	4	4	5	4	3	3	3	4	13
30	5	8	7	6	6	8	11	13	4	2	2	2	2	3	3	4	3	6	7	3	5	2	1	2	5
MEAN	6	6	6	6	5	5	8	10	8	5	3	3	3	2	2	3	3	3	4	5	5	5	5	5	4.8

PERCENTAGE OF DATA VALID - 99.0 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 1.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK															MONTH - OCT 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	3	2	2	3	3	1	1	2	1	1	1	1	2	1	2	4	5	3	4	6	2
2	6	5	4	2	2	3	10	21	11	4	2	1	2	3	3	4	4	5	7	8	11	11	14	18	7
3	19	20	20	20	17	2	3	3	2	2	2	3	4	3	4	4	4	4	4	2	3	3	4	2	6
4	3	1	1	2	2	3	4	6	7	8	7	6	-	-	4	4	4	3	3	5	7	9	8	7	5
5	7	7	6	5	5	7	14	21	5	3	2	2	2	3	3	3	5	4	5	3	2	2	3	4	5
6	3	3	2	1	0	2	3	4	3	3	2	3	4	-	3	3	4	4	3	2	2	1	0	1	2
7	1	0	0	1	1	1	1	1	1	1	1	1	2	1	1	2	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	0	1	1	2	1	2	1	2	2	1	3	5	7	9	10	8	3
9	9	9	8	7	8	8	11	14	11	5	4	2	2	2	3	2	3	2	3	4	3	4	4	2	5
10	3	3	4	3	3	4	6	8	8	7	4	3	4	4	3	6	9	11	7	4	7	8	8	8	6
11	9	6	5	5	6	11	18	26	37	7	4	4	-	4	3	4	5	8	11	16	11	3	2	1	9
12	1	1	1	1	1	2	2	5	4	3	3	3	3	3	3	3	5	7	4	3	3	5	5	10	3
13	9	6	4	3	3	3	7	8	8	3	2	1	2	2	2	3	3	2	4	4	3	3	3	2	4
14	2	1	1	1	1	1	3	3	2	3	2	3	2	2	2	2	2	2	3	3	3	2	3	4	7
15	8	5	3	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	5	5	8	11	5	4	4
16	2	1	1	1	1	4	8	8	4	2	2	2	2	2	3	3	3	6	-	-	-	-	-	-	3
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	8	9	10	9	11	10	10	11	10	*****
18	9	7	3	3	3	6	15	26	28	15	5	3	5	5	8	7	11	14	13	13	14	10	4	3	10
19	3	3	4	4	4	9	21	28	30	24	10	7	-	8	6	5	7	13	18	5	7	8	9	8	10
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	8	5	5	6	5	7	9	10	7	7	6	7	7	5	5	5	5	5	5	6	6	10	6	7	6
22	6	5	4	3	3	3	4	5	3	5	5	5	5	5	4	7	5	5	5	5	5	6	9	7	5
23	4	2	2	2	2	3	4	5	4	3	3	3	2	1	1	3	5	7	8	10	17	23	30	33	7
24	36	36	38	40	43	45	46	56	71	23	13	15	6	-	2	4	5	6	6	6	8	6	6	9	23
25	6	6	6	6	7	11	12	13	9	6	8	8	6	4	7	7	6	8	5	8	5	5	4	6	7
26	5	4	4	4	4	4	5	6	6	6	4	4	3	2	2	3	4	4	4	5	6	6	6	4	4
27	3	2	1	2	2	4	8	11	9	5	4	6	9	-	7	7	7	8	9	7	6	7	9	8	6
28	5	5	5	6	6	6	13	7	4	3	3	3	2	1	1	1	2	4	5	4	4	4	7	6	5
29	13	11	13	11	11	11	11	9	6	4	3	3	3	3	3	3	5	7	16	18	21	26	32	34	12
30	34	29	25	2	2	2	5	10	5	4	5	5	5	4	5	6	8	14	29	29	30	42	9	7	13
31	7	7	8	7	6	7	9	15	23	17	15	8	3	3	3	3	4	6	4	4	5	6	8	8	8
MEAN	8	7	6	5	5	6	9	12	11	6	4	4	3	3	3	4	5	6	7	7	8	8	8	8	6.4

PERCENTAGE OF DATA VALID - 93.3

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 6.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK															MONTH - NOV 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	13	9	8	6	4	4	7	24	34	39	16	3	5	5	5	5	8	13	17	9	11	13	17	15	12
2	10	8	10	10	10	8	9	13	16	11	9	6	6	5	5	5	8	13	12	13	15	23	34	31	12
3	29	26	27	28	30	31	33	46	62	76	8	6	9	-	8	8	15	15	26	30	32	36	41	48	29
4	43	37	43	30	24	14	16	20	21	17	18	14	16	16	14	17	18	19	26	38	41	42	49	54	27
5	56	54	53	48	45	45	43	45	40	23	7	7	7	6	6	7	7	8	12	13	11	10	10	9	24
6	8	8	7	6	7	6	8	15	14	8	5	7	5	4	4	5	4	6	6	5	3	5	7	9	7
7	5	4	3	3	3	3	5	7	8	5	3	2	2	2	-	3	9	27	19	14	22	27	25	26	10
8	26	23	20	20	18	18	22	33	60	69	12	12	8	6	6	7	8	11	9	8	9	8	14	7	18
9	7	5	7	4	4	5	6	10	10	8	6	6	6	8	9	10	13	21	14	18	29	35	32	41	13
10	41	39	36	31	30	29	31	43	31	10	8	6	6	-	8	8	8	8	10	13	10	9	18	20	20
11	24	24	28	26	25	24	19	11	12	8	8	7	7	7	7	23	15	7	6	4	4	3	4	4	13
12	4	4	3	3	3	2	2	2	2	2	3	3	3	5	4	3	4	5	6	7	8	7	7	5	4
13	4	3	3	3	3	3	5	12	12	12	9	5	6	7	7	7	11	8	9	9	6	6	6	7	5
14	4	6	6	4	4	4	5	6	7	8	5	5	4	3	-	4	5	5	3	3	4	4	4	4	5
15	4	3	3	3	3	3	4	5	7	9	5	5	3	3	4	4	7	14	23	29	31	36	41	48	13
16	58	65	68	65	55	41	21	40	45	34	4	2	3	3	2	5	7	11	14	11	11	7	3	3	24
17	3	3	2	3	3	3	4	7	6	7	6	6	8	6	6	6	7	6	6	5	4	5	5	4	5
18	4	4	3	3	3	3	3	2	3	3	3	3	3	4	3	4	4	5	6	5	4	4	5	5	4
19	6	4	4	3	4	4	4	5	2	2	2	2	2	2	2	2	3	4	3	3	4	3	2	2	3
20	2	2	2	2	2	2	3	6	8	6	4	4	3	3	4	4	5	6	6	5	5	5	5	4	4
21	4	3	3	2	-	3	5	9	10	8	-	-	6	6	6	10	11	12	20	22	26	22	19	15	10
22	14	11	9	8	6	10	12	21	27	6	3	3	3	3	5	5	6	5	5	4	4	5	5	5	8
23	4	5	3	3	3	3	5	9	10	9	7	6	5	7	-	6	7	7	7	8	9	8	8	6	6
24	7	6	6	6	6	6	7	9	13	12	-	7	5	3	3	4	5	6	7	5	3	3	3	3	6
25	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	3	3	4	3	2	2	2
26	4	5	3	2	2	2	2	2	2	2	1	1	1	1	1	1	2	2	5	4	3	4	3	3	3
27	2	1	1	1	1	1	3	3	4	3	3	3	3	3	5	5	4	3	3	4	3	3	3	3	3
28	2	2	2	2	2	4	4	6	13	14	11	11	8	8	8	12	7	9	6	4	4	4	4	4	6
29	6	4	3	3	4	3	5	6	9	6	-	4	6	6	6	5	5	5	5	4	6	6	6	5	5
30	4	4	4	4	3	3	3	4	5	3	3	3	3	2	3	3	4	5	5	6	4	4	4	5	4
MEAN	13	12	12	11	10	10	10	14	17	14	6	5	5	5	5	6	7	9	10	10	11	12	13	13	10.2

PERCENTAGE OF DATA VALID - 98.6

PERCENTAGE OF DATA INVALID - 0.0

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK															MONTH - DEC 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	5	5	3	4	4	4	5	6	6	9	10	10	11	12	13	6	10	9	6	6	6	5	5	7
2	3	3	3	3	3	2	4	5	7	5	4	3	3	3	3	3	3	4	7	9	9	8	7	5	5
3	4	6	5	4	3	3	3	5	7	4	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4
4	6	4	3	2	2	3	3	5	5	5	4	-	4	4	3	5	5	6	6	6	5	5	4	5	4
5	5	5	5	5	5	5	5	8	11	9	8	5	4	4	4	5	6	7	8	6	5	4	4	5	6
6	7	6	4	3	3	3	4	5	10	11	8	8	6	5	6	6	4	7	5	5	4	5	8	7	6
7	8	12	11	10	11	9	10	14	15	-	7	3	3	3	3	6	6	6	5	5	3	4	3	3	7
8	4	3	3	3	1	1	1	2	4	3	1	1	1	1	2	2	2	3	3	2	2	2	2	2	2
9	2	2	1	2	1	2	2	2	1	1	1	1	1	1	2	2	2	2	2	2	3	2	3	3	2
10	2	2	1	2	1	2	2	2	1	1	1	1	1	1	2	2	2	2	2	2	3	2	3	3	2
11	3	3	3	3	3	3	4	7	9	8	5	5	5	7	7	9	10	11	12	12	9	6	5	5	6
12	5	5	4	4	4	4	4	4	6	5	3	3	4	4	-	6	5	6	4	4	4	3	3	3	4
13	3	3	4	3	3	3	3	4	4	4	4	4	4	3	3	3	5	6	4	3	2	2	1	1	3
14	1	1	1	1	1	1	1	4	8	-	5	2	2	2	3	3	4	5	5	6	5	7	7	7	2
15	2	2	2	2	2	3	3	4	4	4	3	3	3	3	3	5	5	7	9	10	6	8	6	5	4
16	4	4	4	4	4	7	9	9	10	11	9	8	6	6	5	5	7	9	10	6	8	6	5	4	7
17	5	5	5	4	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	2
18	1	1	1	1	1	2	2	6	14	19	12	-	4	3	3	3	3	4	3	4	3	3	3	3	4
19	3	2	2	2	1	2	2	5	6	4	2	2	2	2	3	3	4	5	5	4	4	5	4	4	3
20	5	4	4	4	4	4	3	6	8	5	4	5	6	4	5	4	4	5	5	7	7	8	6	6	5
21	8	7	6	5	3	3	3	3	3	-	2	2	2	2	1	3	5	6	7	7	4	7	7	4	4
22	5	4	3	3	3	4	4	5	8	7	6	5	6	6	5	7	4	5	4	4	5	4	3	3	5
23	3	2	2	2	2	2	2	4	4	3	3	3	3	3	3	4	3	5	8	16	22	24	26	29	7
24	34	39	44	43	18	3	4	3	2	2	3	3	3	3	4	5	6	6	5	5	5	6	5	5	11
25	5	4	3	3	2	2	2	2	2	3	3	4	3	2	3	3	2	2	1	2	2	2	2	2	3
26	5	2	2	2	2	3	2	2	2	2	1	2	3	3	3	2	2	3	3	2	2	4	4	5	3
27	4	3	1	2	1	1	3	5	5	4	-	-	3	2	3	3	4	4	4	4	5	4	4	9	4
28	13	12	10	6	1	1	4	5	14	6	2	2	4	2	3	3	6	14	19	22	24	26	26	25	10
29	21	13	8	7	6	5	7	13	21	14	12	9	9	4	4	4	7	10	9	9	7	3	4	5	9
30	5	4	3	3	4	3	3	4	5	3	3	3	5	4	6	8	8	8	10	10	15	15	13	19	7
31	22	21	22	17	15	16	15	14	12	8	11	14	11	10	6	7	7	6	7	7	7	8	8	7	12
MEAN	6	6	6	5	4	3	4	5	7	6	5	4	4	4	4	4	5	6	6	6	6	6	6	6	5.2

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 1.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA UNAVAILABLE		
FEB		DATA UNAVAILABLE		
MAR		DATA UNAVAILABLE		
APR		DATA UNAVAILABLE		
MAY		DATA UNAVAILABLE		
JUN		DATA UNAVAILABLE		
JUL	5	2.7	4	10
AUG	31	5.1	11	29
SEP	30	4.8	13	46
OCT	29	6.4	23	71
NOV	30	10.2	29	76
DEC	31	5.2	12	44
YEAR	156	6.2	29	76

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978  
 POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT UNITS - 0.01 PARTS/MILLION  
 STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	DATA UNAVAILABLE							
FEB	DATA UNAVAILABLE							
MAR	DATA UNAVAILABLE							
APR	DATA UNAVAILABLE							
MAY	DATA UNAVAILABLE							
JUN	DATA UNAVAILABLE							
JUL	108	13	0	0	0	0	0	119
AUG	497	152	81	10	0	0	0	740
SEP	538	106	47	19	2	1	0	713
OCT	429	177	53	20	9	4	2	694
NOV	341	194	78	41	23	20	13	710
DEC	533	144	41	14	2	2	0	736
YEAR	2444	786	300	104	36	27	15	3712

FREQUENCY DISTRIBUTION BY PERCENTILES											
PERCENT OF DATA VALID			CONCENTRATIONS FREQUENCY DISTRIBUTION, PERCENT								ARITH MEAN
84.1	MIN	10	30	50	70	90	95	98	99	MAX	
84.1	0	0.9	2.1	3.5	5.6	11.9	19.7	30.6	40.8	76	6.2

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT UNITS - 0.01 PARTS/MILLION

STATION - C NO 34007 BATHURST/WILSON, NORTH YORK

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	11	14	14	13	13	8	5	5	5	5	6	7	11	17	18	15	12	9	3	2	2	1	1	2	8
2	3	3	3	3	3	3	4	6	11	8	11	7	5	5	6	12	10	10	9	7	7	6	6	6	8
3	6	4	4	4	4	4	6	18	21	17	12	6	3	3	3	4	6	7	11	15	10	9	10	14	8
4	16	7	4	4	6	8	11	40	73	50	33	32	31	26	-	26	17	16	16	10	10	8	7	6	20
5	4	4	4	4	3	4	7	11	29	34	25	22	37	37	44	35	58	64	43	27	25	14	23	8	24
6	5	4	3	3	2	3	23	46	51	45	37	34	34	39	41	45	48	43	26	24	22	21	18	16	26
7	15	12	8	4	4	5	9	16	28	29	22	17	20	25	37	40	37	37	40	34	28	15	17	18	22
8	17	17	14	10	7	8	12	12	15	16	14	16	25	27	30	31	33	20	11	7	6	5	3	3	15
9	2	1	1	1	1	1	1	1	3	3	1	1	1	1	1	1	2	2	3	2	1	1	1	1	1
10	1	1	1	1	1	1	2	2	3	2	2	1	1	1	1	1	2	3	3	2	2	2	2	2	2
11	2	3	4	8	4	3	6	10	11	9	6	7	8	5	4	4	4	6	4	6	13	14	16	16	7
12	10	7	6	5	5	4	6	8	29	36	27	15	9	14	28	44	38	53	66	39	27	38	41	33	25
13	30	23	15	16	20	21	41	47	42	34	32	21	16	12	13	16	10	7	6	4	4	4	3	3	18
14	3	2	1	1	1	1	2	1	1	2	2	3	4	3	3	3	3	4	4	3	3	3	3	3	2
15	3	3	3	3	2	1	2	4	5	6	4	4	3	3	3	3	3	4	5	7	5	4	3	8	4
16	11	8	4	4	6	8	8	12	15	14	13	10	11	12	22	26	20	15	17	16	20	36	34	15	15
17	19	15	17	14	9	9	7	9	13	21	26	11	15	-	-	-	-	-	-	-	-	-	-	-	*****
18	- DATA UNAVAILABLE -																								
19	- DATA UNAVAILABLE -																								
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	3	4	3	3	3	3	3	*****
21	3	3	3	3	2	2	2	3	3	5	4	3	4	5	6	5	6	11	17	20	23	26	20	19	8
22	18	14	18	27	21	12	18	25	27	24	20	17	15	14	13	16	23	28	29	18	17	22	24	22	20
23	15	11	10	11	10	13	11	15	46	37	33	29	29	31	32	36	43	41	30	23	20	20	20	18	24
24	18	11	10	11	11	13	34	48	50	44	44	35	35	-	-	44	44	41	33	36	30	29	32	24	31
25	24	19	26	22	23	23	29	21	28	25	14	10	35	16	42	49	39	48	41	29	21	16	12	10	26
26	8	6	6	5	5	5	8	19	25	26	14	11	11	12	12	-	-	-	-	-	-	3	3	3	10
27	3	3	3	3	3	3	4	4	4	3	3	-	3	3	3	3	5	5	5	4	4	4	4	4	4
28	3	3	3	3	3	2	3	3	4	3	3	3	4	4	4	4	4	4	4	4	4	3	3	3	3
29	3	5	5	5	5	5	4	4	5	5	4	3	3	3	3	3	4	4	4	3	3	3	4	5	4
30	8	19	17	8	5	5	7	8	10	11	8	6	5	4	-	5	7	12	21	14	10	6	9	10	9
31	8	6	6	7	7	6	9	12	23	23	16	12	7	6	9	12	10	12	16	10	6	5	4	4	10
MEAN	10	8	8	7	7	6	10	15	21	19	16	13	14	13	15	18	18	19	17	14	12	11	12	11	12.9

PERCENTAGE OF DATA VALID - 88.6 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 11.4

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. - - - INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY













POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 34007 BATHURST/WILSON, NORTH YORK													MONTH - DEC 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	10	6	6	5	4	4	15	21	31	35	28	35	29	29	46	-	44	34	17	21	16	9	4	4	20
2	3	2	2	2	1	2	4	5	5	6	4	4	2	2	2	2	2	4	4	6	6	6	13	24	5
3	22	20	17	8	6	3	3	5	7	7	7	9	7	9	15	21	24	26	20	19	19	17	17	21	14
4	10	8	10	8	5	4	5	9	8	8	6	5	5	3	3	7	10	13	10	8	8	7	7	8	7
5	7	4	3	3	3	3	4	11	21	22	14	10	10	12	-	16	25	34	27	25	20	13	10	6	13
6	6	5	6	8	8	7	12	14	39	47	23	14	5	3	5	5	7	8	9	6	5	4	4	4	11
7	4	4	2	2	4	2	7	52	62	58	51	44	39	35	25	23	23	24	25	23	21	21	27	32	25
8	28	25	25	15	11	15	17	14	14	11	8	6	3	3	3	5	5	6	5	5	5	4	3	3	10
9	3	3	3	3	2	2	2	3	5	5	3	3	3	3	3	3	4	-	-	5	5	6	4	5	4
10	4	4	3	2	2	2	2	2	3	3	-	-	2	3	3	3	3	3	4	7	9	11	6	7	4
11	7	5	5	-	-	-	24	23	24	-	-	-	17	-	-	34	49	53	49	38	32	32	34	19	28
12	13	9	7	7	7	5	7	14	11	-	-	-	-	13	12	30	38	42	32	21	19	19	20	16	17
13	11	9	9	8	6	8	19	24	-	10	8	10	9	7	5	5	6	6	5	4	4	4	4	4	8
14	3	2	2	2	2	2	2	6	9	11	9	-	5	7	11	20	24	20	15	10	8	8	6	6	8
15	4	4	4	4	4	4	10	23	22	17	14	11	9	8	10	16	28	28	23	17	14	17	8	5	13
16	4	5	6	5	9	13	22	29	33	24	20	19	25	26	28	27	26	35	36	33	27	18	16	13	21
17	8	7	5	4	3	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	3
18	3	3	3	3	4	3	5	10	15	13	9	4	3	3	-	1	2	3	3	3	3	2	3	3	5
19	3	3	3	3	3	3	5	6	6	5	3	3	3	3	3	3	5	6	6	5	5	4	4	8	4
20	5	9	9	7	8	11	23	38	38	32	32	20	17	24	26	23	14	8	9	18	40	41	29	17	21
21	11	7	6	5	4	4	4	4	3	3	-	-	1	1	1	2	5	19	15	6	4	5	6	6	6
22	4	4	3	3	3	3	16	19	41	43	34	28	24	28	23	22	12	9	10	8	5	2	1	1	15
23	2	3	2	2	2	2	3	5	6	6	5	2	3	2	2	4	9	16	28	30	60	45	51	53	14
24	55	58	49	28	18	6	5	5	7	8	10	15	21	42	54	58	51	51	40	49	43	42	32	39	33
25	31	35	23	14	13	6	6	8	16	21	23	31	21	19	23	25	22	22	23	24	29	27	23	25	21
26	29	3	1	1	1	2	2	3	3	4	6	6	5	4	4	2	3	3	2	2	2	3	-	-	4
27	-	-	-	1	1	1	3	4	4	3	2	2	2	2	-	3	3	5	5	5	6	5	4	4	3
28	6	6	10	6	4	4	5	7	14	12	7	3	3	3	3	4	5	6	10	8	8	8	7	9	7
29	11	9	6	4	4	4	5	10	10	10	18	31	40	37	31	34	37	32	26	28	28	25	22	18	20
30	18	15	11	8	6	7	7	10	13	15	14	15	17	19	21	24	33	32	33	35	35	31	27	33	20
31	30	27	22	15	15	24	27	21	22	26	34	38	37	32	30	29	31	31	28	27	27	26	22	17	27
MEAN	12	10	9	8	5	5	8	13	16	16	15	14	12	13	15	15	18	19	17	16	17	15	14	14	13.1

PERCENTAGE OF DATA VALID - 96.1

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 3.9

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34007 BATHURST/WILSON, NORTH YORK

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	27	12.9	31	73
FEB	28	10.3	26	47
MAR	31	12.6	34	68
APR	30	9.0	26	63
MAY	31	15.7	32	65
JUN	30	10.8	31	57
JUL	31	11.8	20	49
AUG	31	13.1	26	70
SEP	26	15.1	31	96
OCT	30	17.6	39	87
NOV	29	17.9	46	93
DEC	31	13.1	33	62
YEAR	355	13.3	46	96

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34007 BATHURST/WILSON, NORTH YORK

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	269	109	135	70	42	28	6	659
FEB	232	228	120	54	21	6	0	661
MAR	299	157	114	80	52	26	7	735
APR	434	71	105	71	19	8	7	715
MAY	235	97	141	167	61	25	7	733
JUN	376	66	132	94	31	12	4	715
JUL	233	139	231	109	18	4	0	734
AUG	235	121	204	135	30	7	3	735
SEP	236	88	102	112	70	19	7	634
OCT	238	106	127	99	76	42	34	722
NOV	250	93	109	73	73	44	47	689
DEC	284	148	99	102	52	16	14	715
YEAR	3321	1423	1619	1166	545	237	136	8447

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	FREQUENCY 50	CONCENTRATIONS DISTRIBUTION, PERCENT 70	90	95	98	99	MAX	ARITH MEAN
96.4	0	1.6	3.6	7.9	16.8	31.0	38.7	47.8	56.1	98	13.3

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	4	4	4	3	3	3	2	2	3	3	3	3	4	4	4	4	4	3	2	2	2	1	1	3
2	1	1	1	2	3	2	3	3	3	3	2	3	2	2	2	2	3	3	3	2	2	2	2	2	2
3	2	2	2	2	2	2	2	4	3	3	3	3	3	4	6	4	7	13	17	8	6	4	4	3	5
4	2	2	2	2	2	3	5	9	10	5	5	7	5	5	5	5	6	6	6	6	5	6	8	6	5
5	5	5	6	6	7	12	15	21	28	25	12	11	10	11	11	-	17	20	16	19	34	21	21	13	15
6	6	3	3	3	3	4	6	7	7	7	6	6	-	6	6	8	7	10	7	6	6	5	5	5	6
7	6	4	4	3	3	3	4	5	6	7	8	11	11	11	10	11	11	12	14	15	13	11	13	12	9
8	15	15	8	6	6	5	5	6	6	7	7	7	7	8	8	9	13	15	10	7	7	4	4	3	8
9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	2	1	2	2	2	2	2	2
10	2	2	2	1	1	2	3	3	4	3	3	2	3	3	1	1	1	1	1	1	1	1	2	3	2
11	3	3	2	1	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	4	3	4	3	3	2
12	2	1	1	1	1	1	1	4	5	6	6	5	-	7	-	13	23	25	10	9	9	9	11	9	7
13	8	9	9	11	12	14	9	7	11	12	12	8	8	7	5	5	6	6	4	4	3	2	2	2	7
14	2	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	2	1	3	3	3	2	1	1	1	1	1	1	2	2	1	2	3	3	3	2
16	2	1	1	1	1	2	4	5	5	5	3	1	1	1	1	2	2	2	3	4	4	4	6	9	3
17	15	25	13	9	6	7	8	-	15	18	13	10	9	6	6	7	10	7	5	3	2	2	2	2	9
18	1	1	1	1	1	1	2	2	4	4	3	2	3	3	3	4	7	10	8	8	9	12	13	15	5
19	7	7	13	8	6	7	9	17	40	28	18	14	10	5	-	7	8	10	12	13	11	6	6	6	12
20	4	2	1	1	1	1	2	4	4	4	4	3	3	3	3	3	2	3	4	2	2	2	2	1	3
21	1	1	1	1	1	1	1	1	3	2	1	1	1	3	3	3	4	7	14	24	42	30	15	15	7
22	17	16	6	3	3	4	4	2	4	4	3	3	3	3	4	4	4	4	4	2	2	2	2	3	4
23	3	3	3	3	3	4	4	5	5	4	4	3	3	3	4	4	4	5	6	6	4	4	4	4	4
24	3	4	5	5	4	5	5	6	6	6	6	6	5	6	7	11	11	9	8	9	8	6	8	10	7
25	8	9	10	11	12	12	11	31	22	24	21	14	15	17	15	14	17	19	10	7	6	5	4	4	13
26	3	3	4	4	3	3	4	5	4	1	1	1	-	1	1	1	1	2	1	1	1	1	1	0	2
27	0	0	0	0	0	1	1	1	1	2	3	3	2	1	1	3	3	4	3	3	3	1	2	3	2
28	3	3	3	2	3	2	3	3	7	5	3	2	2	2	2	3	3	4	4	2	3	3	3	1	3
29	1	1	2	1	1	1	1	4	4	4	3	3	3	2	2	2	3	3	3	3	3	3	3	5	3
30	2	1	1	1	2	2	3	10	13	18	12	5	2	3	3	3	6	18	8	4	3	2	2	1	5
31	1	2	2	2	2	3	4	5	6	4	4	4	4	4	5	5	4	5	5	4	3	2	3	3	4
MEAN	4	4	4	3	3	4	4	6	8	7	6	5	4	4	4	5	6	7	6	6	6	5	5	5	5.1

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.9

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY













POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE														MONTH - DEC 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	3	4	3	3	4	6	5	4	5	5	6	11	13	6	5	4	5	5	7	6	6	5
2	3	2	5	5	4	3	3	4	4	4	3	3	2	3	3	3	3	4	7	8	11	14	11	7	5
3	6	6	4	4	3	3	2	3	4	4	3	3	3	5	5	6	8	7	7	6	6	8	9	12	5
4	7	6	4	2	3	4	4	5	6	5	3	3	2	3	3	3	3	2	2	2	1	1	1	1	3
5	1	1	1	1	1	1	1	1	2	2	3	3	3	3	3	3	3	3	5	3	2	2	2	2	2
6	2	2	3	3	3	4	5	6	6	6	5	-	-	3	4	4	6	5	5	4	5	5	5	4	4
7	4	4	5	4	2	4	8	13	11	9	7	5	5	5	5	6	6	7	8	7	9	11	10	7	8
8	10	9	9	8	8	9	11	17	25	17	10	5	3	3	3	5	4	4	4	5	4	4	3	4	8
9	4	2	2	2	1	1	2	4	4	3	1	2	2	2	2	3	3	3	2	2	1	1	1	1	2
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	2	1
11	2	1	2	2	2	2	2	3	6	7	6	3	3	-	3	5	10	12	13	17	14	8	5	4	6
12	4	4	4	4	4	3	3	4	3	3	3	3	3	3	4	3	3	4	5	3	5	4	5	5	4
13	4	4	3	3	2	2	2	2	2	2	3	3	3	3	1	1	2	2	2	1	1	1	1	1	2
14	3	2	2	2	1	2	3	6	7	5	3	2	2	1	1	2	2	2	1	1	1	1	1	1	2
15	1	1	1	1	1	1	2	3	3	2	2	3	3	3	3	3	3	4	6	5	4	4	4	4	3
16	4	4	6	3	4	3	6	6	8	6	5	5	5	7	8	8	10	11	13	12	10	8	7	5	7
17	4	4	4	3	1	1	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	*****
18	2	1	3	2	3	3	4	9	8	7	5	3	4	3	2	3	3	4	4	3	4	4	6	4	4
19	3	9	7	10	10	7	9	14	13	9	3	2	-	3	3	5	8	21	18	10	5	4	4	5	8
20	5	7	6	6	5	4	4	5	9	10	8	3	4	4	5	5	6	5	5	6	6	8	7	7	6
21	6	7	6	3	3	3	3	3	3	3	3	3	1	1	3	3	5	9	5	4	4	3	2	2	4
22	3	2	1	1	2	1	2	2	4	5	7	6	4	4	4	3	3	3	3	3	2	2	2	2	3
23	1	1	1	1	1	1	1	2	2	3	1	1	2	1	1	2	2	7	5	9	11	13	10	30	5
24	48	64	68	26	6	3	3	2	2	2	3	4	3	4	5	5	6	6	6	5	5	5	4	4	12
25	4	5	6	4	4	4	3	3	3	3	4	4	2	2	2	2	3	2	2	2	2	2	2	3	3
26	3	3	2	1	1	1	1	1	1	1	1	3	3	3	2	3	3	2	3	3	2	3	3	3	2
27	3	3	3	2	3	3	3	3	3	2	2	2	2	2	1	3	5	5	4	5	3	3	3	3	2
28	3	1	3	3	2	4	8	12	21	21	10	-	-	5	5	7	12	18	19	14	15	16	16	16	11
29	21	6	6	7	6	4	8	12	13	14	18	24	20	21	6	5	5	10	15	14	13	4	3	3	11
30	7	7	4	1	2	2	3	5	7	8	6	6	5	5	5	8	10	10	13	13	12	14	13	13	7
31	16	18	15	14	11	10	15	12	13	10	12	15	15	12	12	14	13	12	10	11	11	10	6	6	12
MEAN	6	6	6	4	3	3	4	5	7	6	5	4	4	4	4	5	5	6	7	6	6	6	5	6	5.1

PERCENTAGE OF DATA VALID - 97.6      PERCENTAGE OF DATA INVALID - 0.0      PERCENTAGE OF DATA UNAVAILABLE - 2.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT				UNITS - 0.01 PARTS/MILLION	
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE					
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING	
JAN	31	5.1	15	42	
FEB	28	5.8	14	62	
MAR	31	5.9	16	54	
APR	30	4.0	10	35	
MAY	31	5.2	9	34	
JUN	30	4.4	13	25	
JUL	30	3.7	8	22	
AUG	29	5.1	12	38	
SEP	30	4.7	14	68	
OCT	31	5.3	15	66	
NOV	30	6.5	24	56	
DEC	30	5.1	12	68	
YEAR	361	5.1	24	68	

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35003

ELMCREST ROAD, ETOBICOKE

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	514	131	74	14	3	1	0	737
FEB	449	147	45	14	6	0	3	664
MAR	496	157	61	10	8	6	1	739
APR	586	96	30	5	2	0	0	719
MAY	486	173	72	7	1	0	0	739
JUN	527	123	57	9	0	0	0	716
JUL	608	84	30	1	0	0	0	723
AUG	499	132	56	12	2	0	0	701
SEP	539	108	43	14	5	2	1	712
OCT	547	106	60	19	3	2	1	738
NOV	467	136	68	25	8	5	3	712
DEC	522	127	65	9	0	1	2	726
YEAR	6240	1520	661	139	38	17	11	8626

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT  
OF DATA  
VALID

98.5

0

10

0.7

30

1.9

CONCENTRATIONS  
FREQUENCY DISTRIBUTION, PERCENT

50

2.9

70

4.7

90

10.0

95

14.4

98

21.5

99

27.9

MAX

68

ARITH  
MEAN

5.1

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35033

EVANS/ARNOLD AVE. ETOBICOKE

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
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22																									
23																									
24																									
25																									
26																									
27																									
28																									
29																									
30																									
31																									
MEAN																									

PERCENTAGE OF DATA VALID - 89.1

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 10.9

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY







ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE														MONTH - JUN 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	1	2	2	2	1	1	1	1	-	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	1	1	2	1	1	-	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2
3	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6	7	7	8	8	8	9	11	14	14	*****
4	15	14	12	7	5	6	6	4	3	4	2	1	4	4	3	3	4	5	4	10	8	4	4	3	6
5	6	5	4	3	7	13	16	13	11	9	9	8	9	9	10	12	10	11	9	10	16	22	32	19	11
6	15	17	14	15	15	34	27	11	10	8	8	7	8	7	6	6	4	3	3	4	8	9	5	10	10
7	5	4	8	7	8	12	12	17	-	9	18	16	9	11	9	15	14	11	18	19	18	18	14	8	12
8	7	10	7	6	11	16	13	16	15	14	15	16	15	-	-	-	-	-	-	-	-	-	-	-	*****
9	-	-	-	-	-	-	-	-	-	-	8	8	7	7	9	11	9	9	9	8	7	8	13	12	*****
10	13	11	10	9	11	13	11	5	4	3	3	3	3	3	3	3	3	3	3	4	5	5	4	4	6
11	7	5	3	5	5	4	4	5	5	4	4	4	4	4	4	3	3	2	2	3	6	6	5	5	4
12	4	6	6	6	6	11	11	11	10	-	-	5	6	6	7	7	8	11	9	10	8	8	8	4	8
13	2	1	1	1	2	9	13	10	6	5	9	9	10	8	-	10	12	10	9	9	10	13	15	14	8
14	4	3	3	3	6	18	23	14	9	8	8	7	8	-	10	12	10	9	9	10	13	15	14	8	10
15	6	4	3	3	10	26	23	17	13	10	6	3	6	6	6	8	8	7	4	5	11	12	8	9	9
16	10	13	6	5	8	6	11	9	7	4	4	5	5	5	7	8	8	7	7	9	10	8	7	8	7
17	2	7	6	3	3	4	4	4	4	5	6	6	6	7	-	8	10	10	9	11	10	11	12	14	15
18	6	10	13	8	5	9	7	6	6	8	7	-	8	10	10	9	11	10	11	12	12	14	15	12	10
19	8	6	6	7	11	23	35	31	17	15	13	10	8	8	8	6	8	9	10	10	14	23	26	31	14
20	15	15	14	9	15	27	41	44	14	14	9	8	10	-	7	11	6	5	5	3	5	4	5	5	13
21	3	3	16	20	24	30	13	9	26	25	10	7	-	12	12	-	16	14	11	9	13	16	17	19	15
22	8	5	4	4	8	17	21	14	9	8	6	7	6	9	9	9	8	10	9	11	10	8	5	11	9
23	9	6	3	2	7	14	17	14	10	9	9	7	7	9	10	11	13	10	12	12	12	13	16	15	10
24	14	10	10	9	10	12	12	9	8	5	4	3	3	2	2	3	3	3	3	4	3	4	28	24	8
25	22	13	15	14	16	24	15	4	4	4	3	3	3	-	2	2	2	3	2	3	3	6	4	-	8
26	3	6	3	5	9	6	10	13	15	-	10	11	10	9	10	12	9	9	9	10	9	11	10	10	9
27	13	9	13	10	9	12	14	17	14	11	10	10	10	11	13	16	15	12	12	11	10	12	11	10	12
28	7	6	6	6	8	16	19	15	13	12	11	-	10	12	13	14	15	12	12	10	12	15	15	12	12
29	11	10	5	5	8	16	19	17	14	11	10	10	10	11	13	13	12	11	10	10	12	12	15	14	12
30	11	6	5	7	8	14	21	18	13	12	-	10	9	9	8	9	10	10	10	7	8	8	8	7	10
MEAN	8	7	7	6	8	14	15	13	10	9	8	7	7	7	7	8	8	8	8	8	9	10	11	10	8.9

PERCENTAGE OF DATA VALID - 93.1 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 6.9

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE														MONTH - JUL 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	9	8	7	5	6	10	12	8	3	3	1	1	0	0	0	0	1	1	1	1	2	12	32	27	8
2	23	18	13	6	4	7	7	2	2	1	1	1	1	1	1	1	1	1	1	1	2	3	3	2	4
3	2	1	1	1	2	4	6	2	2	2	2	3	3	3	3	3	3	11	7	2	2	3	2	1	3
4	2	3	3	2	3	3	5	5	4	4	-	5	5	4	3	5	3	3	4	-	-	-	-	-	14
5	23	15	9	8	12	19	32	40	13	9	9	8	6	-	4	5	5	-	-	-	-	-	-	-	6
6	-	-	-	-	-	-	-	9	7	10	7	7	6	6	6	6	5	4	4	5	5	5	4	5	4
7	4	4	5	4	6	8	11	11	10	7	7	6	6	6	6	6	6	7	7	7	6	6	7	7	5
8	4	4	4	4	4	5	5	5	5	5	4	3	3	3	6	6	6	7	7	7	6	6	7	7	5
9	6	5	3	2	2	4	4	5	5	2	2	2	3	-	2	2	2	2	2	3	3	3	3	3	3
10	3	3	2	2	3	8	14	11	9	8	7	6	8	7	9	10	9	9	8	7	7	8	9	9	7
11	8	4	3	2	4	16	16	13	11	8	-	6	6	7	8	8	11	11	9	9	14	13	13	9	9
12	8	6	8	6	8	20	21	20	12	6	4	4	4	-	5	4	4	4	4	5	4	5	6	7	8
13	9	6	6	6	11	15	8	7	6	6	7	-	4	5	6	5	5	4	5	7	8	12	10	10	7
14	11	7	7	6	12	27	28	19	13	12	10	7	8	9	8	7	5	4	4	5	22	16	16	19	15
15	14	11	9	6	8	13	15	10	7	4	5	4	4	4	4	4	4	8	9	9	10	10	8	8	8
16	8	5	4	2	2	3	3	4	5	5	5	4	2	3	5	6	7	8	7	8	7	8	7	6	5
17	4	4	3	3	6	16	17	16	12	8	7	7	6	5	4	4	4	4	5	5	15	16	17	15	*****
18	9	5	5	6	11	21	39	28	16	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****
19	-	-	-	-	-	-	-	-	-	-	8	9	8	8	8	7	6	6	5	8	11	12	10	9	*****
20	9	7	7	8	8	11	13	12	11	11	11	10	-	7	8	7	7	7	7	6	7	12	15	13	9
21	13	13	12	11	15	23	21	20	16	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	10	11	13	11	8	*****
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
24	8	7	6	7	9	17	23	21	10	8	8	6	6	6	6	7	6	6	6	5	5	5	5	5	8
25	5	6	10	13	16	21	21	13	7	8	-	8	7	6	6	7	6	6	6	5	8	9	10	9	9
26	7	6	6	4	5	7	9	8	8	7	7	7	5	5	5	5	5	4	4	7	7	5	5	6	7
27	4	4	4	4	4	5	6	8	6	6	5	5	6	5	7	6	7	12	11	13	12	9	8	6	7
28	5	6	5	4	6	12	16	13	11	10	10	7	8	6	5	5	4	4	4	4	4	8	11	10	7
29	10	6	5	6	7	6	5	5	5	4	5	5	4	4	6	8	8	8	8	7	6	7	8	7	6
30	6	4	4	5	3	4	5	5	6	6	4	3	3	3	3	3	3	3	3	6	4	14	26	16	6
31	13	7	9	9	9	7	7	7	6	-	4	4	5	5	5	7	5	5	5	5	7	11	19	20	8
MEAN	8	6	6	5	7	12	14	12	8	7	6	5	5	5	5	5	5	6	6	6	7	9	11	10	7.4

PERCENTAGE OF DATA VALID - 86.0 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 14.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE												MONTH - AUG 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	15	13	10	11	8	16	15	12	7	7	7	10	9	8	6	7	7	6	7	7	10	23	22	19	11
2	22	20	12	11	13	26	32	14	10	8	9	9	8	9	8	7	6	5	5	5	4	8	7	6	11
3	5	5	6	6	7	13	19	20	16	14	13	13	-	9	9	8	7	7	12	9	8	8	6	10	
4	6	5	5	4	4	13	22	17	12	9	6	5	6	5	5	4	4	4	7	13	14	10	20	26	9
5	29	20	19	13	11	15	16	10	5	5	5	4	2	2	2	2	2	3	2	3	3	3	5	13	8
6	16	13	11	10	6	9	10	8	7	6	4	4	4	3	3	3	3	3	4	5	4	20	28	28	9
7	26	22	11	9	8	12	13	10	8	7	3	3	-	-	-	-	-	-	-	-	4	5	-	-	*****
8	-	-	-	5	-	11	18	-	-	-	5	6	6	6	6	4	4	4	3	3	3	3	3	3	5
9	3	3	3	3	3	4	6	6	7	7	8	8	8	11	13	13	11	12	11	11	12	14	10	8	
10	8	7	5	5	6	12	17	17	13	9	6	7	7	6	6	-	5	4	4	6	10	12	21	26	9
11	28	17	12	11	14	23	31	25	18	9	7	7	6	-	-	-	-	-	-	-	-	-	-	-	*****
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****
14	10	6	5	4	5	10	26	25	22	10	-	6	4	4	3	3	3	3	4	3	3	5	15	15	8
15	6	5	7	6	9	8	7	8	8	7	7	6	6	-	5	5	7	11	11	9	6	3	5	7	
16	3	3	4	3	3	4	5	5	5	5	4	4	5	5	5	4	3	2	3	4	5	4	5	3	4
17	3	2	1	1	1	3	9	8	7	7	8	6	5	5	5	4	3	2	3	4	5	4	5	3	4
18	14	16	11	7	8	14	21	15	8	5	4	4	5	6	4	5	3	2	2	2	2	2	2	5	7
19	5	4	3	4	5	5	5	5	4	4	3	3	3	3	3	3	3	5	7	6	6	5	5	5	4
20	4	3	2	2	2	3	5	4	5	6	5	5	6	6	5	6	6	7	8	10	11	12	13	10	6
21	7	4	3	3	5	15	25	20	13	6	8	7	8	8	6	6	5	3	3	3	-	-	-	-	8
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	3	4	5	7	18	23	17	*****
23	13	7	6	4	10	21	20	42	24	10	-	3	3	3	4	5	4	2	3	3	5	5	5	8	9
24	9	6	3	3	5	5	10	19	15	12	10	12	13	14	12	11	9	9	10	9	9	9	9	8	10
25	6	3	3	3	5	11	18	20	14	10	-	-	-	-	6	8	7	6	7	12	10	15	18	16	10
26	15	8	6	3	4	6	13	14	8	7	5	4	2	2	2	2	2	11	21	12	25	20	17	9	
27	16	14	10	7	2	1	5	2	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	3
28	1	1	1	2	2	4	10	10	9	8	4	5	6	4	5	6	8	6	5	6	8	9	10	8	6
29	5	4	4	2	3	3	9	10	8	7	6	8	7	8	9	10	11	9	12	12	15	16	16	18	9
30	14	12	8	6	10	24	41	17	13	11	8	-	6	6	6	6	5	5	5	6	18	13	12	10	11
31	8	6	7	6	7	17	26	27	27	17	12	8	6	6	6	6	5	3	2	3	4	21	41	30	13
MEAN	11	8	7	6	6	11	16	14	11	8	6	6	6	6	6	6	5	5	6	7	8	11	13	13	8.5

PERCENTAGE OF DATA VALID - 86.6

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 13.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
		STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE												MONTH - SEP 78													
HOUR DAY		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1		18	13	5	3	5	18	32	29	21	11	6	7	6	5	5	5	4	3	4	4	3	3	6	9	9	
2		10	9	15	9	5	17	20	12	5	5	3	2	2	2	2	1	2	2	2	2	3	3	3	2	6	
3		2	5	2	2	1	1	4	2	1	3	5	5	5	7	4	4	4	5	8	7	8	6	7	12	10	
4		5	2	2	2	2	1	2	4	7	8	7	4	4	1	1	1	1	2	9	14	9	5	13	16	5	
5		13	9	10	9	7	24	39	34	24	18	12	12	10	10	10	7	6	5	5	5	5	5	4	4	12	
6		7	6	4	4	4	7	16	12	10	9	9	6	7	7	6	11	4	4	8	9	4	8	5	5	7	
7		3	2	3	3	5	13	16	17	16	12	11	9	4	4	4	5	3	2	3	2	2	1	1	1	6	
8		1	1	4	3	3	3	5	5	4	5	3	3	6	7	7	5	3	2	3	2	2	1	1	1	6	
9		11	7	8	5	4	7	12	7	11	10	7	4	2	2	2	2	10	13	15	21	23	20	11	11	8	
10		2	2	2	2	2	2	3	-	-	-	-	10	5	2	2	2	3	6	5	6	4	13	16	28	6	
11		26	28	19	18	23	47	61	41	29	30	22	20	12	9	8	9	6	7	11	14	19	17	13	9	21	
12		8	8	7	5	5	11	17	14	15	16	-	-	6	6	5	4	5	3	4	10	11	8	9	5	8	
13		4	3	2	2	4	15	17	16	13	4	3	3	3	3	3	3	3	2	2	1	1	1	1	1	5	
14		1	1	1	2	2	2	4	6	5	6	5	4	4	4	4	5	5	5	5	6	2	4	4	3	4	
15		3	3	3	3	4	14	13	13	9	7	6	5	8	8	8	9	5	4	5	3	3	2	3	6	6	
16		4	4	3	2	3	5	11	10	8	8	7	7	7	7	8	7	9	10	9	11	9	8	15	15	8	
17		15	13	7	5	6	9	10	9	11	2	1	2	-	3	2	1	2	3	3	9	10	9	10	10	7	
18		5	3	3	3	1	4	15	10	5	5	4	3	5	6	5	13	4	3	4	9	9	12	12	10	6	
19		6	3	3	3	3	14	25	31	27	-	11	9	7	6	6	6	6	6	5	6	5	6	9	6	9	
20		3	3	3	3	6	20	34	45	35	9	6	6	6	5	6	8	6	4	7	5	14	23	22	20	13	
21		16	15	15	24	27	37	58	-	-	19	18	14	-	-	16	17	17	17	15	10	10	10	9	7	19	
22		4	3	2	2	4	13	26	24	20	14	-	7	10	14	15	8	7	9	24	25	18	14	17	16	13	
23		16	12	12	11	14	21	26	31	21	9	5	3	2	1	2	2	2	4	7	8	8	6	3	5	10	
24		42	40	29	20	15	14	14	13	12	5	4	3	3	3	3	5	6	8	13	10	13	12	12	7	13	
25		2	1	1	2	4	13	26	19	12	-	11	8	9	12	12	14	14	14	13	12	14	14	16	14	11	
26		17	12	9	8	12	30	46	48	79	22	-	6	6	5	6	5	4	4	5	5	4	2	2	3	15	
27		7	8	9	4	5	10	12	11	7	6	4	4	5	5	5	6	5	7	16	15	8	6	6	5	7	
28		4	2	2	2	4	11	23	19	14	11	11	9	10	11	12	14	15	16	22	25	26	21	23	22	14	
29		26	19	13	15	19	30	50	72	48	-	7	7	6	5	5	5	5	3	3	2	2	3	3	6	15	
30		6	5	4	10	7	7	11	3	5	3	3	3	3	3	3	2	4	5	6	9	3	2	3	1	5	
MEAN		10	8	7	6	7	14	22	20	16	10	7	6	6	6	6	6	6	6	8	9	8	8	9	9	9	

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION											
STATION - C NO 35033					EVANS/ARNOLD AVE. ETOBICOKE										MONTH - OCT 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	3	3	2	1	3	4	6	5	4	6	5	7	-	9	8	5	9	12	12	14	14	11	13	12	7	
2	7	6	6	6	8	22	37	43	28	17	11	9	7	6	7	7	6	7	9	9	10	12	36	51	15	
3	42	31	14	9	5	5	8	9	9	6	-	4	5	5	6	7	6	4	4	4	4	6	6	5	9	
4	6	5	5	4	4	7	12	36	20	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****	
5	-	-	-	-	-	-	-	-	-	-	7	9	6	5	6	8	9	7	8	8	6	7	7	5	*****	
6	-	-	-	-	-	-	-	-	-	-	7	8	8	8	9	10	9	11	12	11	12	11	9	9	8	
7	5	4	4	3	4	6	8	8	9	-	-	7	8	8	8	9	10	9	11	12	11	12	11	9	8	
8	7	6	4	2	2	3	4	5	6	7	7	8	8	8	9	8	8	10	11	13	14	15	18	14	8	
9	14	15	10	9	10	18	28	16	9	5	4	2	2	2	2	2	2	3	4	3	4	4	4	3	7	
10	3	3	3	2	3	4	13	19	15	13	-	9	8	7	9	12	14	9	7	10	9	7	12	16	9	
11	23	54	42	31	40	48	20	22	13	9	11	8	7	7	8	12	10	8	6	5	5	7	4	4	17	
12	3	3	3	3	4	6	9	10	8	5	5	5	5	5	7	10	13	17	11	9	10	12	8	7	7	
13	5	5	4	5	11	22	36	26	22	-	15	15	15	12	17	15	12	16	17	17	14	11	11	9	14	
14	7	6	4	5	4	5	9	10	10	-	-	12	15	12	14	11	12	14	17	16	12	12	24	26	12	
15	25	18	10	8	9	9	12	9	7	5	-	5	5	4	4	-	4	4	4	15	26	30	32	27	12	
16	14	-	-	5	7	18	27	32	23	19	-	6	4	5	4	5	5	7	26	33	43	44	43	32	19	
17	28	19	13	11	15	30	57	52	33	17	8	7	6	5	5	6	5	5	-	3	-	10	16	13	17	
18	16	18	16	20	10	17	26	16	11	12	8	10	10	6	7	8	9	8	9	12	9	8	10	12	12	
19	9	5	4	3	7	24	33	33	24	-	12	8	7	6	8	9	8	10	17	19	18	8	6	12	12	
20	4	4	4	5	11	22	41	49	28	12	9	5	5	5	6	5	-	9	11	5	5	-	4	5	12	
21	5	4	4	4	5	17	42	41	7	5	6	4	4	4	4	4	4	4	4	4	5	5	-	4	8	
22	4	3	3	2	2	2	3	3	-	4	4	4	5	4	4	3	3	5	7	3	4	6	10	6	4	
23	4	2	3	2	4	7	12	11	12	10	9	8	8	8	9	10	9	9	8	6	9	12	15	17	9	
24	14	17	16	16	19	27	35	32	18	11	4	-	-	-	-	-	-	-	-	-	-	-	-	-	*****	
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	5	6	6	4	4	4	3	3	4	3	*****
26	2	3	3	3	4	9	11	10	13	13	15	16	11	12	14	17	21	16	17	13	13	10	8	7	11	
27	6	4	3	3	5	9	19	16	8	7	4	6	7	8	6	6	4	4	5	5	4	4	3	3	6	
28	5	6	7	3	3	6	11	-	12	11	8	7	7	7	8	10	11	13	13	10	8	8	10	9	8	
29	11	9	6	5	4	4	7	9	8	8	7	5	4	4	3	3	3	4	7	26	38	36	6	8	9	
30	4	3	3	3	6	4	6	13	8	7	6	6	6	7	7	9	10	12	13	21	21	7	10	13	9	
31	7	4	9	4	3	5	13	20	21	12	12	10	-	7	7	14	12	11	9	8	9	12	12	13	10	
MEAN	10	10	8	6	8	13	19	21	14	10	8	8	7	7	7	8	8	9	10	11	12	12	13	12	10.4	

PERCENTAGE OF DATA VALID - 87.2

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 12.8

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION																									
STATION - C NO 35033													EVANS/ARNOLD AVE. ETOBICOKE													MONTH - NOV 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN													
1	10	10	8	7	6	7	16	31	34	21	10	-	4	4	4	6	7	7	6	9	13	14	9	8	11													
2	7	5	6	6	5	5	8	15	16	10	-	6	5	6	10	12	15	20	23	16	22	34	41	41	15													
3	47	42	23	25	27	24	35	52	54	26	12	10	9	-	-	-	7	9	10	14	22	25	59	52	28													
4	39	20	11	10	10	-	11	14	9	-	-	9	8	-	-	-	-	10	15	46	47	28	17	15	19													
5	20	32	27	28	21	17	25	32	10	-	-	-	-	6	-	-	-	-	10	26	-	-	-	-	*****													
6	-	-	-	-	-	-	-	-	-	-	-	-	11	11	10	10	13	19	28	28	17	13	11	13	*****													
7	-	-	-	-	-	-	-	-	-	-	-	12	-	-	4	4	6	5	6	5	5	3	4	5	15													
8	13	8	7	9	8	12	27	61	72	34	11	12	-	-	4	5	7	10	12	9	11	11	11	19	18													
9	4	4	3	2	1	1	2	5	6	5	4	6	4	5	5	7	10	12	9	11	11	11	19	18	7													
10	15	23	26	13	8	9	19	33	27	17	9	-	12	11	15	12	14	10	7	7	5	13	25	7	15													
11	6	5	9	25	25	7	8	9	12	15	16	9	6	6	9	11	17	16	18	12	11	8	7	8	11													
12	7	7	7	4	1	1	4	4	5	7	9	9	10	13	13	10	14	6	4	13	17	19	12	13	9													
13	7	4	3	2	4	6	14	26	34	34	-	-	10	11	13	14	10	11	11	10	7	6	5	7	11													
14	9	5	7	6	5	5	7	8	10	10	6	-	7	7	10	10	14	14	12	11	8	7	5	8	8													
15	4	3	2	1	1	3	4	8	10	12	12	-	12	10	10	12	20	25	23	34	38	38	38	42	16													
16	44	30	28	12	10	10	21	50	47	27	-	7	6	6	6	6	8	10	7	6	4	4	4	4	16													
17	4	2	1	3	3	3	4	6	7	5	6	6	6	7	7	15	17	10	6	5	5	3	4	3	6													
18	3	3	2	2	1	1	3	3	4	5	7	8	8	9	9	9	7	5	5	4	3	2	3	2	5													
19	4	3	2	1	2	2	3	3	4	5	5	5	7	-	10	10	12	14	15	14	15	12	10	9	7													
20	5	3	2	2	2	3	8	21	24	17	16	17	12	16	17	21	25	24	23	17	14	12	11	11	13													
21	8	6	5	3	3	6	13	27	31	26	23	18	12	12	9	10	13	13	10	8	7	5	13	6	12													
22	5	4	4	4	3	5	6	9	10	-	8	8	7	7	7	9	10	9	7	9	7	6	6	7	7													
23	6	5	6	5	6	7	6	7	9	10	10	10	11	14	-	13	10	8	7	8	7	7	10	10	8													
24	9	7	6	5	5	6	9	17	23	18	14	-	11	-	-	-	-	-	-	-	-	-	-	-	*****													
25	-	-	-	3	3	3	5	9	11	13	14	13	13	11	12	14	16	13	13	15	13	9	-	10	11													
26	10	11	9	8	6	5	6	7	6	6	8	8	7	-	8	13	17	19	17	16	14	13	10	10	10													
27	1	3	4	3	3	5	2	3	3	3	3	3	6	3	3	4	5	15	15	12	10	7	7	6	5													
28	5	4	4	3	4	5	13	21	30	32	24	17	14	15	13	14	17	17	9	6	5	4	6	5	12													
29	3	3	5	5	4	5	6	12	11	12	9	9	8	7	6	7	7	6	6	6	8	5	4	4	7													
30	3	3	2	1	1	2	7	14	12	15	-	11	12	13	11	12	16	11	12	16	7	5	4	7	9													
MEAN	11	9	8	7	6	6	10	18	19	15	11	10	9	9	9	11	13	13	12	13	13	12	13	12	11													

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE															MONTH - DEC 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6	5	6	6	4	4	5	7	10	9	9	12	11	11	15	14	10	16	8	9	11	13	12	13	9
2	9	8	6	4	4	4	6	10	12	12	12	-	-	-	-	-	-	-	-	-	-	-	-	-	9
3	-	-	-	-	-	-	-	-	-	-	-	-	-	5	6	7	5	5	4	4	2	4	4	5	*****
4	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5	6	5	6	5	6	6	4	4	6	4
5	4	2	2	1	2	2	3	4	6	4	-	7	5	5	6	5	5	6	5	6	6	4	4	6	4
6	5	4	4	4	6	6	8	13	17	15	9	11	12	13	14	14	18	23	19	18	14	13	14	13	12
7	11	10	7	5	6	8	18	34	18	12	6	9	8	6	4	5	5	6	5	5	6	6	7	6	9
8	6	9	8	9	12	12	22	34	40	33	-	20	21	18	22	23	28	45	37	36	30	26	21	21	23
9	23	14	9	5	4	5	11	16	26	24	20	18	20	18	19	18	-	-	-	-	-	-	-	-	16
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	8	10	8	12	13	11	12	11	12	11	8	7	*****
12	7	6	5	5	5	6	6	10	10	9	7	7	-	8	8	8	8	10	6	6	6	6	6	5	7
13	4	4	5	4	-	-	-	6	-	-	-	6	-	7	8	7	8	7	8	7	6	5	6	5	6
14	5	4	3	2	2	4	12	18	18	11	7	-	7	4	5	5	6	5	4	2	2	2	2	2	6
15	2	2	2	1	1	1	3	5	6	5	4	5	5	5	6	6	6	6	5	7	8	9	10	8	5
16	12	14	10	9	7	6	7	11	9	11	9	11	9	7	8	10	9	9	11	12	8	6	6	4	9
17	4	7	7	4	2	1	2	2	3	3	5	5	6	7	7	7	8	8	6	6	7	9	8	8	6
18	7	4	3	3	3	5	8	19	20	20	18	20	19	15	14	16	17	20	19	13	12	14	11	10	13
19	7	6	7	8	7	9	21	32	32	24	17	16	13	15	19	21	29	31	27	22	15	17	16	17	18
20	13	11	10	7	6	8	8	3	-	14	7	5	7	8	8	8	7	5	5	4	5	5	5	8	7
21	8	8	6	5	5	5	6	9	11	8	9	-	13	14	13	14	22	21	17	16	14	9	6	5	11
22	9	4	3	3	3	3	4	7	10	10	9	7	8	7	7	6	5	4	4	4	7	6	6	6	6
23	4	3	2	2	2	2	1	3	3	5	7	8	9	9	9	10	8	15	15	29	30	31	48	80	14
24	74	76	32	10	6	2	2	3	4	4	5	5	4	6	5	4	4	4	4	4	3	3	3	3	11
25	3	6	10	5	4	5	5	5	4	9	9	4	5	5	6	6	4	4	4	4	5	6	5	7	5
26	5	3	3	1	1	1	1	1	2	3	3	3	4	5	5	7	10	8	8	8	6	7	7	8	5
27	7	6	4	2	2	5	11	13	13	7	6	7	9	-	10	12	16	15	14	14	9	9	9	13	9
28	8	5	5	12	6	9	17	31	42	28	17	15	13	14	16	18	34	34	26	26	21	28	35	32	21
29	25	19	14	10	8	8	18	27	35	30	37	39	37	11	4	3	4	3	23	8	3	2	2	2	16
30	2	2	2	2	2	3	3	3	9	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MEAN	10	9	7	5	4	5	8	13	15	12	11	11	11	9	10	10	12	13	12	11	10	10	10	12	10.0

PERCENTAGE OF DATA VALID - 80.5

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 19.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	27	11.4	29	81
FEB	23	12.4	19	47
MAR	28	10.9	24	69
APR	30	9.6	14	46
MAY	31	9.8	19	39
JUN	27	8.9	15	44
JUL	26	7.4	14	40
AUG	26	8.5	13	42
SEP	30	9.2	21	79
OCT	28	10.4	19	57
NOV	28	11.3	28	72
DEC	24	10.0	23	80
YEAR	324	9.9	29	81

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	164	231	184	58	16	3	7	663
FEB	89	209	196	42	20	11	0	567
MAR	202	219	191	52	8	9	5	686
APR	196	267	200	33	6	3	0	705
MAY	208	272	188	41	16	0	0	725
JUN	196	264	184	19	5	2	0	670
JUL	271	253	94	18	4	0	0	640
AUG	257	217	132	33	2	3	0	644
SEP	316	182	145	39	9	8	4	703
OCT	205	233	148	30	18	11	4	649
NOV	167	224	163	45	17	10	6	632
DEC	203	216	122	32	20	3	3	599
YEAR	2474	2787	1947	442	141	63	29	7883

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
90.0	0	2.5	4.9	7.3	10.8	18.6	25.2	33.8	41.0	81	9.9

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44010 1298 REBECCA ST OAKVILLE

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	3	3	1	1	1	1	1	2	4	3	1	2	2	2	2	1
2	1	3	2	2	2	2	1	2	3	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3
3	3	3	3	3	3	3	4	4	4	4	3	2	2	2	2	3	4	7	9	12	8	7	5	4	4
4	4	4	4	4	4	4	5	5	8	4	4	4	4	4	5	5	5	5	5	5	5	5	4	5	5
5	7	5	4	4	4	4	5	15	33	26	18	6	5	9	8	9	8	8	9	18	30	29	21	19	13
6	10	4	2	1	1	2	3	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
7	1	1	3	6	5	5	5	6	8	5	2	2	13	8	3	3	5	10	18	11	5	11	12	6	6
8	11	11	10	4	3	3	2	3	3	3	3	3	4	4	9	11	15	8	5	4	2	2	1	5	5
9	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10	2	1	1	1	2	2	4	4	3	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2
11	2	4	2	3	2	2	3	4	4	4	3	3	3	4	4	5	5	6	6	6	6	6	5	6	4
12	4	4	3	3	3	3	6	9	10	10	7	6	-	7	7	7	9	12	11	15	18	12	13	14	8
13	13	9	8	8	9	11	6	3	3	3	2	2	3	3	4	6	9	10	8	6	4	3	3	4	6
14	4	4	3	3	3	3	3	3	3	4	4	4	3	3	3	4	4	4	4	4	4	3	2	2	3
15	2	3	3	3	3	8	14	32	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	5
16	2	2	2	2	2	3	4	4	6	6	5	5	-	4	4	5	6	6	9	9	11	14	5	5	9
17	19	14	13	10	10	7	8	9	11	15	19	20	16	3	4	20	19	22	8	17	18	15	9	20	32
18	5	4	3	3	3	1	2	4	4	3	3	3	4	20	19	5	5	8	12	17	16	14	15	10	3
19	12	9	8	7	8	8	10	18	24	16	11	11	-	5	5	8	12	17	16	14	14	15	10	3	11
20	1	1	1	1	1	1	1	1	2	3	4	7	7	6	6	7	7	7	7	7	6	5	4	3	4
21	2	2	2	2	2	2	2	2	2	4	4	4	2	3	4	5	5	7	8	18	37	15	12	9	6
22	9	4	5	5	3	3	3	4	5	4	4	4	5	5	5	5	5	6	6	4	4	5	7	5	5
23	6	6	6	6	5	6	6	7	7	6	6	6	-	3	5	6	7	7	6	7	6	5	6	6	6
24	7	7	7	8	7	7	8	11	13	12	9	9	7	6	7	8	7	6	6	7	6	7	6	8	8
25	6	6	4	5	4	5	12	21	28	33	-	-	-	12	8	5	6	4	3	3	3	2	1	1	8
26	1	1	2	2	2	1	3	3	3	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2
27	2	2	2	2	2	2	2	2	2	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	*****
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	4	4	4	4	4	4	4	6	7	6	6	4	-	5	5	5	4	7	6	6	3	3	3	2	5
MEAN	5	4	4	4	4	4	5	7	7	7	5	5	4	5	5	5	5	6	6	7	7	6	6	6	5.4

PERCENTAGE OF DATA VALID - 88.8

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 11.2

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 44010 1298 REBECCA ST OAKVILLE														MONTH - APR 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	3	3	3	4	3	5	5	5	*****
4	5	3	4	5	4	4	5	5	5	4	4	4	4	5	5	5	6	7	13	15	15	12	7	5	6
5	4	4	3	3	4	3	4	6	5	4	4	4	5	4	4	5	5	5	7	10	15	17	17	17	7
6	13	10	8	9	14	16	14	11	6	4	2	2	2	1	1	1	1	1	1	1	1	1	1	2	5
7	5	6	7	6	5	4	4	5	5	4	5	6	3	3	4	5	5	5	5	4	3	2	2	2	4
8	4	4	4	4	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	5	5	6	6	8	4
9	9	10	7	7	4	4	4	4	3	3	3	4	4	3	3	4	3	3	3	10	17	11	5	11	6
10	4	3	3	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	3	3	2	2
11	3	2	2	2	4	3	3	3	3	7	9	11	-	-	-	-	-	-	-	-	-	-	-	-	*****
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6	4	7	5	5	5	7	*****
13	7	6	5	5	5	5	4	4	4	4	4	4	4	4	4	3	3	4	5	6	5	4	3	3	4
14	3	3	3	3	2	2	3	3	3	3	3	3	3	4	2	4	4	4	6	7	7	7	4	5	4
15	6	5	6	4	6	4	4	4	3	3	3	4	4	4	4	4	4	4	4	6	9	8	5	4	5
16	5	5	5	4	4	4	4	4	3	3	3	3	4	5	4	4	4	4	4	4	5	6	5	5	4
17	4	4	4	4	4	6	8	6	7	9	7	6	-	3	3	3	4	4	4	12	24	15	11	10	7
18	8	8	7	7	9	12	12	7	5	5	5	5	5	5	4	4	4	3	2	2	2	2	3	3	5
19	4	4	4	4	3	3	3	4	3	4	4	-	3	3	3	4	4	4	3	3	3	3	3	2	3
20	2	2	4	6	6	5	6	6	7	5	5	5	5	5	5	6	6	5	6	6	4	4	4	4	5
21	4	4	4	3	3	4	4	5	4	4	-	4	3	3	3	3	3	3	5	7	8	8	5	5	4
22	4	3	3	3	2	3	2	1	1	1	2	2	1	2	2	1	3	3	3	6	8	6	7	10	3
23	11	14	15	18	14	10	5	3	5	4	5	4	3	3	3	2	2	2	5	12	25	23	20	18	9
24	16	11	9	7	5	7	8	9	7	6	5	3	-	3	4	5	5	4	8	10	12	11	8	8	7
25	8	7	7	7	7	7	10	12	11	6	3	3	3	-	2	2	2	2	3	3	7	8	15	6	
26	21	18	14	13	11	11	10	6	3	3	3	2	3	3	3	3	3	3	3	16	27	20	13	11	9
27	7	5	6	5	4	4	7	10	9	7	9	9	4	3	2	2	3	3	6	10	8	7	4	3	6
28	3	3	3	3	3	3	5	5	5	3	3	3	3	3	3	3	4	5	9	17	28	22	20	14	7
29	10	9	7	5	4	5	3	3	4	3	3	3	3	3	3	3	3	3	3	4	5	4	3	3	4
30	5	5	3	3	5	3	2	2	2	2	2	2	2	3	3	2	2	3	3	6	8	5	5	4	3
MEAN	7	6	6	5	5	5	5	5	5	4	4	4	3	3	3	3	4	4	5	7	10	8	7	7	5.3

PERCENTAGE OF DATA VALID - 87.2 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 12.8

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION												
STATION - C NO 44010 1298 REBECCA ST OAKVILLE														MONTH - MAY 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	3	3	3	2	3	5	5	4	3	3	-	-	3	3	3	3	3	3	5	5	5	5	5	4	4	
2	3	3	5	8	8	10	8	5	3	3	3	3	3	3	4	3	3	3	5	7	8	7	5	3	5	
3	3	3	3	4	5	6	9	8	8	8	6	5	5	5	5	4	4	4	5	6	7	10	13	11	6	
4	8	8	3	3	3	2	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	3	3	3	
5	3	3	3	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
6	4	4	5	5	5	5	3	3	3	3	3	3	3	3	3	5	5	8	7	13	18	12	11	11	6	
7	11	7	6	4	4	5	5	5	5	4	3	3	3	4	3	3	3	3	3	3	3	3	3	3	4	
8	2	2	3	3	3	2	3	3	3	3	3	3	3	3	6	5	5	5	5	5	4	6	5	5	4	
9	5	5	6	6	6	6	8	8	8	5	4	4	3	3	4	4	4	4	4	6	6	4	4	3	5	
10	3	3	3	3	3	5	5	4	3	2	2	-	3	3	3	3	3	3	3	5	7	8	10	17	5	
11	13	11	10	9	10	19	10	4	3	4	5	4	5	7	5	5	5	5	5	6	7	10	10	4	7	
12	7	5	5	5	3	5	15	10	5	-	4	4	4	6	6	5	5	6	5	5	5	9	11	8	6	
13	8	6	5	4	4	4	4	3	3	3	3	3	7	8	5	5	7	13	9	6	4	4	6	5	5	
14	3	3	3	3	3	3	3	3	3	2	3	2	1	2	2	2	2	2	2	2	2	1	1	1	2	
15	1	1	2	2	2	2	2	2	3	2	2	2	3	3	3	3	3	3	3	4	3	3	3	3	3	
16	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	
17	4	4	4	4	4	6	9	10	4	4	4	3	-	3	3	3	3	3	3	3	3	3	3	3	4	
18	5	10	7	3	7	11	15	14	14	12	10	9	12	6	6	7	9	10	11	13	14	19	24	13	11	
19	11	14	16	15	15	15	17	11	12	11	-	5	5	5	4	4	4	5	6	14	25	33	17	20	12	
20	12	10	10	7	9	9	9	10	9	7	7	7	7	7	7	7	7	7	7	8	7	7	7	8	8	
21	6	5	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	9	7	14	16	5	
22	6	6	5	6	5	4	4	4	3	3	5	3	3	2	2	3	3	3	3	3	5	11	29	25	13	7
23	10	8	7	7	8	12	16	12	7	4	5	-	4	4	4	4	4	4	4	4	3	4	12	20	20	8
24	16	7	3	4	6	17	7	11	17	10	7	6	4	4	4	4	4	4	6	7	14	22	29	23	10	
25	16	16	8	7	9	12	14	11	8	5	4	3	6	5	4	4	4	4	5	14	19	18	13	14	9	
26	14	10	10	12	10	12	14	12	9	6	9	8	-	6	5	5	5	5	5	6	11	29	23	20	11	
27	13	17	13	11	9	9	10	13	7	7	8	7	7	7	6	6	6	6	5	7	15	14	12	14	10	
28	16	16	6	5	6	9	11	6	5	6	5	5	5	5	5	5	5	5	5	6	12	21	22	23	9	
29	20	16	10	10	6	5	16	14	8	9	8	-	6	6	6	6	5	5	5	5	9	12	12	13	9	
30	12	8	8	8	6	6	11	10	7	6	5	5	5	5	5	5	5	5	6	5	5	5	5	5	6	
31	5	9	8	7	6	8	8	6	6	6	5	5	-	5	4	4	4	4	4	4	4	4	4	4	5	
MEAN	8	7	6	6	6	7	8	7	6	5	5	4	4	4	4	4	4	5	5	6	8	11	11	10	6.3	

PERCENTAGE OF DATA VALID - 98.7 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 1.3

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 44010 1298 REBECCA ST OAKVILLE													MONTH - JUN 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	3	3	3	3	6	4	4	4	4	4	5	5	4	3	3	3	3	3	9	7	4	5	7	4
2	5	4	5	6	5	4	7	6	7	6	5	-	4	4	4	5	5	5	5	5	7	8	9	7	6
3	4	4	4	3	2	3	3	3	3	2	2	2	2	3	3	3	3	3	3	3	5	7	11	13	4
4	10	10	5	4	3	3	3	3	3	3	4	4	4	3	3	3	3	3	3	5	5	5	5	3	4
5	3	3	3	3	3	3	3	3	3	3	3	2	2	3	3	3	3	3	3	3	5	9	8	6	4
6	7	5	7	8	12	15	11	8	7	7	5	-	7	5	5	6	9	11	14	15	10	7	6	8	6
7	14	17	12	8	5	5	7	7	7	5	-	7	5	5	5	6	9	11	14	15	10	7	5	5	8
8	8	9	8	9	10	8	7	8	7	7	6	5	5	5	6	7	6	5	6	4	4	3	4	6	4
9	3	3	3	3	3	5	5	3	3	3	3	3	4	-	4	4	3	4	4	5	7	7	8	9	4
10	10	8	5	5	5	6	6	5	5	5	5	5	4	4	4	4	3	4	4	6	7	5	5	7	5
11	12	13	5	3	3	3	3	3	4	3	3	3	3	3	3	3	3	3	3	3	5	7	5	4	4
12	6	6	3	4	5	5	6	5	6	6	5	5	4	3	3	5	5	7	7	5	5	5	3	2	5
13	3	3	2	2	3	3	3	3	3	3	2	3	-	3	3	3	3	3	3	3	3	4	4	3	3
14	3	3	3	3	3	5	4	3	3	2	2	3	3	3	3	3	3	3	3	3	6	8	6	4	4
15	4	4	4	4	5	5	6	5	3	3	3	3	4	4	4	4	3	4	4	5	8	8	10	15	5
16	11	11	7	5	6	6	6	5	5	5	4	-	3	3	3	3	4	8	7	2	3	8	7	3	5
17	4	3	3	3	3	3	3	3	3	3	3	3	4	6	5	6	7	7	5	4	4	4	5	6	4
18	5	5	4	4	4	4	3	4	3	4	4	4	4	4	4	4	4	4	4	5	8	6	5	4	4
19	4	4	4	4	5	7	12	10	8	4	-	4	4	4	4	4	5	4	5	6	10	14	14	12	7
20	9	9	11	10	10	10	14	13	10	9	6	5	-	5	3	3	4	3	5	5	11	15	22	28	10
21	22	18	13	13	7	7	9	15	18	14	8	8	9	6	5	4	5	4	4	4	7	8	10	7	9
22	6	4	4	4	4	5	6	3	4	4	4	4	4	-	3	3	4	4	4	7	8	7	6	6	5
23	5	3	3	3	5	5	5	3	3	3	3	3	3	3	3	3	3	3	3	5	6	8	10	11	4
24	10	11	7	6	5	5	6	5	5	5	4	4	4	4	4	4	4	4	4	10	21	16	12	7	7
25	12	10	9	11	9	9	9	7	7	7	4	3	3	3	3	3	3	3	3	4	7	17	18	22	8
26	24	7	5	4	6	6	6	6	6	6	6	5	5	5	4	4	4	4	3	4	5	4	3	3	6
27	5	4	5	3	5	7	8	7	6	5	-	5	5	5	5	4	4	4	5	5	4	3	3	3	5
28	3	3	3	4	4	4	4	3	3	3	3	4	4	4	4	4	4	4	4	5	7	8	11	8	5
29	8	5	4	4	5	6	5	4	3	3	3	3	-	3	4	3	4	4	4	5	6	6	5	4	4
30	4	4	4	4	5	5	6	6	6	3	3	2	-	3	3	4	3	5	5	5	7	7	7	5	5
MEAN	8	7	5	5	5	6	6	6	5	5	4	4	4	4	4	4	4	4	4	5	7	8	8	8	5.3

PERCENTAGE OF DATA VALID - 98.3

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 1.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

	POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
	STATION - C NO 44010 1298 REBECCA ST OAKVILLE												MONTH - JUL 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	5	5	5	5	6	6	7	5	5	3	3	3	2	2	2	2	2	3	3	4	10	21	12	11	6	
2	9	7	7	6	6	4	5	3	4	4	4	3	4	4	4	3	4	4	3	3	3	3	3	3	4	
3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
4	3	3	3	3	3	3	3	3	3	3	3	-	3	2	2	2	2	2	2	3	10	10	9	9	4	
5	7	7	8	8	9	12	11	10	13	8	8	8	-	5	3	3	3	3	3	3	5	9	10	12	7	
6	11	6	4	4	7	10	10	10	6	5	4	4	4	4	4	4	5	5	5	7	7	6	6	4	6	
7	4	4	4	4	4	9	10	6	6	5	4	-	4	3	3	3	5	5	6	5	5	4	4	4	5	
8	4	5	5	4	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	4	
9	5	5	5	5	5	5	5	5	5	4	5	4	3	3	3	4	4	4	4	5	5	6	8	7	5	
10	5	4	4	3	4	4	3	3	4	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	*****	
11													- DATA UNAVAILABLE -													
12													- DATA UNAVAILABLE -													
13													- DATA UNAVAILABLE -													
14													- DATA UNAVAILABLE -													
15													- DATA UNAVAILABLE -													
16													- DATA UNAVAILABLE -													
17													- DATA UNAVAILABLE -													
18													- DATA UNAVAILABLE -													
19													- DATA UNAVAILABLE -													
20													- DATA UNAVAILABLE -													
21													- DATA UNAVAILABLE -													
22													- DATA UNAVAILABLE -													
23													- DATA UNAVAILABLE -													
24	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0	0	0	0	0	0	0	1	0	6	*****	
25	10	6	4	2	2	8	10	5	2	0	0	0	0	1	1	1	1	1	1	1	2	3	4	3	2	3
26	1	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1	2	3	2	2	3	2	1	
27	1	1	1	1	2	2	2	2	2	2	2	2	-	2	2	2	2	5	4	3	3	2	2	1	2	
28	1	1	1	1	3	3	3	2	1	1	1	1	1	1	1	1	1	1	2	2	4	4	3	3	2	
29	4	3	3	4	2	3	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	1	1	2	
30	2	2	1	1	1	1	1	1	1	1	2	0	1	1	1	1	1	1	1	2	2	3	2	2	1	
31	3	3	3	2	2	2	1	2	2	2	1	1	1	1	1	1	1	1	1	2	5	11	14	9	3	
MEAN	5	4	4	3	4	5	5	4	4	3	3	3	3	2	2	2	2	3	3	3	4	6	5	5	3	



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 44010 1298 REBECCA ST OAKVILLE													MONTH - AUG 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	4	3	4	4	7	3	4	5	4	3	3	3	-	2	2	3	3	3	3	3	3	10	11	4
2	7	5	4	4	5	9	13	11	5	4	3	-	1	2	1	1	1	2	2	2	2	2	2	2	4
3	1	1	1	1	1	2	5	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	1	1	1	1	1	3	4	3	3	3	2	1	1	1	1	1	1	1	2	4	3	4	14	10	3
5	8	6	6	4	3	6	7	5	4	4	4	4	5	3	2	2	2	1	1	2	12	13	7	5	5
6	7	6	4	2	3	3	3	3	3	2	2	2	2	1	1	1	1	2	2	3	7	19	25	14	5
7	8	7	6	4	4	5	5	6	4	2	3	2	2	1	1	1	1	1	2	3	4	4	3	11	4
8	11	11	4	2	3	3	4	3	3	2	2	-	3	3	3	3	3	3	3	4	4	3	3	3	4
9	3	3	3	2	3	4	3	3	3	3	3	-	3	3	4	3	3	3	3	3	3	3	3	3	3
10	2	2	2	2	2	2	2	2	2	3	3	1	2	1	1	1	1	1	2	3	6	14	18	11	4
11	4	4	3	2	4	9	-	12	4	2	1	0	1	1	1	1	1	1	2	3	5	10	12	5	4
12	5	5	4	5	2	2	3	2	2	1	0	0	2	1	1	1	1	1	3	4	7	9	12	13	4
13	8	5	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	2	5	6	7	7	7	6	3
14	4	2	2	2	3	4	5	5	3	3	4	3	2	1	1	1	1	2	6	7	13	11	10	4	4
15	12	6	9	5	7	4	2	1	1	0	0	0	0	0	1	1	1	2	2	1	2	5	8	14	4
16	11	5	6	6	0	1	1	1	1	1	-	1	3	1	1	1	1	2	3	3	8	15	10	8	3
17	1	1	1	1	1	2	3	2	2	2	1	1	1	1	1	1	1	1	2	3	2	3	4	6	4
18	7	5	4	3	4	7	10	9	4	2	2	2	1	2	1	1	1	1	2	0	1	1	1	1	2
19	6	5	4	2	1	1	2	2	2	2	2	1	0	1	1	2	1	1	3	5	7	9	7	4	2
20	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	2	8	18	15	12	5
21	2	3	3	3	3	5	7	8	7	5	-	-	2	1	1	1	0	0	0	2	8	18	15	12	5
22	9	8	7	7	8	12	14	12	8	5	4	2	3	2	2	3	2	2	2	7	12	16	6	5	7
23	4	3	3	3	2	2	3	4	3	3	3	3	3	3	3	2	2	2	4	5	4	5	4	4	3
24	2	2	2	2	2	2	2	3	3	3	2	3	5	3	4	4	3	2	2	1	1	1	1	2	2
25	1	3	3	3	2	3	4	5	7	7	4	1	0	1	2	3	4	4	3	2	7	17	15	8	5
26	9	5	4	3	2	3	4	4	3	3	2	2	0	0	0	1	1	1	1	4	12	10	6	4	4
27	4	3	3	3	2	2	1	1	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	1
28	0	0	0	0	0	1	1	1	2	2	2	2	2	2	2	2	2	3	2	3	2	2	2	1	2
29	1	1	1	1	1	1	3	2	2	2	2	2	2	2	2	2	2	2	2	5	10	9	8	6	3
30	4	3	3	4	5	6	16	31	15	15	9	5	3	3	3	2	2	2	3	6	7	4	3	2	7
31	2	2	2	2	1	2	7	8	9	8	6	4	1	1	1	1	1	1	1	9	19	23	14	8	6
MEAN	5	4	3	3	3	4	5	5	4	3	3	2	2	1	2	2	2	2	2	3	5	8	8	6	3.5

PERCENTAGE OF DATA VALID - 98.8 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 1.2

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 44010 1298 REBECCA ST OAKVILLE														MONTH - SEP 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	7	6	4	4	3	6	8	7	5	5	4	4	3	2	2	1	1	1	1	2	3	12	12	10	5
2	12	14	16	16	11	11	13	9	5	3	2	1	1	1	1	1	0	1	1	1	3	3	1	2	1
3	2	1	1	1	0	0	0	1	1	1	1	1	1	2	2	3	2	2	2	2	2	2	2	2	1
4	2	2	2	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	0	2	6	3	3	1
5	3	3	3	3	4	5	6	5	3	3	3	1	0	0	1	1	1	2	2	1	1	1	1	0	1
6	1	1	0	0	0	1	4	4	3	1	1	0	0	1	1	1	1	1	1	1	0	0	0	0	1
7	0	1	1	2	1	3	6	4	2	1	2	2	0	0	0	1	1	1	1	1	0	0	0	0	1
8	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	3	7	16	11	8	9	6	6	3
9	6	6	2	2	2	1	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
10	0	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	4	16	19	10	4	3
11	4	3	3	3	4	3	5	3	2	2	2	2	2	1	2	2	3	3	4	3	4	2	2	1	3
12	2	2	0	0	1	2	3	6	5	4	2	2	1	1	1	1	1	1	1	1	0	0	0	0	2
13	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1
15	1	1	1	1	1	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	3	6	5	3	1
16	0	0	0	1	1	2	3	4	5	2	1	1	1	1	1	1	1	1	1	1	1	1	0	0	2
17	3	2	1	1	1	2	1	1	1	-	-	1	1	0	0	0	1	1	1	1	3	3	2	1	1
18	1	0	0	0	0	0	0	1	1	-	-	1	0	0	0	0	1	1	1	1	3	3	2	1	1
19	1	1	1	1	1	2	3	3	3	3	2	-	4	2	2	2	2	2	2	4	6	6	4	10	3
20	8	5	4	3	4	10	19	14	5	4	2	1	-	1	1	1	1	1	2	2	4	7	7	6	5
21	6	12	11	5	3	2	4	4	3	3	2	2	3	2	2	2	2	2	2	2	2	2	2	2	3
22	2	2	2	2	2	3	5	7	8	7	4	-	2	2	2	2	2	2	2	9	10	8	7	6	4
23	5	4	4	4	3	3	5	5	5	5	2	2	2	2	1	1	1	1	2	2	7	13	17	15	5
24	13	7	5	5	4	4	3	4	3	3	3	2	2	2	2	2	2	2	4	7	12	6	2	2	4
25	2	1	1	0	2	4	4	2	2	2	2	1	1	2	2	2	2	3	3	2	3	4	5	4	2
26	3	3	2	2	3	7	13	10	7	2	2	2	2	2	1	1	1	2	2	3	3	3	4	8	4
27	7	3	3	3	3	3	6	5	3	3	3	3	2	1	1	1	2	2	3	3	3	1	1	1	3
28	2	2	2	2	2	3	5	3	2	2	2	2	2	2	2	2	2	3	10	12	8	11	10	4	
29	9	7	7	5	7	10	-	-	6	4	3	2	2	2	2	2	2	2	2	2	2	3	3	8	4
30	9	7	8	6	7	8	10	-	7	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	5
MEAN	4	3	3	3	2	3	5	4	3	2	2	2	2	1	1	1	1	2	3	3	4	4	4	4	2.8

PERCENTAGE OF DATA VALID - 98.1 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 1.9

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - C NO 44010 1298 REBECCA ST OAKVILLE												MONTH - OCT 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	2	2	2	3	2	2	2	2	2	2	2	2	3	3	3	4	3	3	2	2	2	
2	2	2	2	2	2	4	7	7	7	3	4	6	-	4	3	3	3	3	3	15	18	15	12		6
3	8	8	9	9	10	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	3	3	4	5	7	8	6	6
5	4	4	4	3	4	9	16	32	10	2	2	2	2	3	3	2	1	1	1	2	2	2	2	2	5
6	3	3	2	3	3	4	3	4	3	3	3	3	3	3	3	3	3	3	4	3	3	2	2	2	3
7	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	3	3	3	4	4	4	2
8	3	3	2	2	2	2	3	3	2	2	2	2	2	2	2	3	3	3	5	6	6	12	13	11	4
9	6	5	4	3	3	3	4	5	4	4	3	2	2	2	2	1	2	2	2	2	3	3	3	3	3
10	2	2	2	2	2	3	6	5	4	4	4	2	2	2	2	2	4	4	5	5	7	9	13	12	4
11	15	18	16	11	10	19	40	51	39	10	5	3	-	3	2	2	2	4	6	9	9	4	2	2	12
12	2	2	1	1	2	2	3	2	2	2	2	2	2	2	2	3	4	4	3	2	3	3	3	2	2
13	3	2	2	2	2	4	8	8	7	3	2	-	2	2	2	2	2	3	4	3	2	2	3	2	3
14	1	0	0	0	0	1	1	1	3	2	2	2	2	2	2	1	3	2	2	2	2	2	5	3	2
15	4	4	3	2	2	2	3	4	1	1	1	1	1	1	1	1	1	3	3	3	4	5	5	7	3
16	7	6	4	4	4	3	5	11	9	3	1	-	1	2	2	2	2	2	8	12	9	10	9	7	5
17	5	5	4	4	4	7	11	11	10	7	3	3	3	3	2	2	2	2	2	5	14	17	18	15	7
18	6	8	11	9	9	7	19	15	7	8	5	4	3	3	4	4	5	5	6	6	6	5	5	7	7
19	5	5	5	5	4	10	18	20	13	7	6	6	-	4	3	3	4	6	9	8	6	2	3	1	7
20	3	2	1	3	3	6	14	18	8	4	5	5	4	3	2	3	4	7	4	6	5	5	6	6	5
21	5	4	4	3	3	4	6	3	-	4	4	3	3	3	3	3	4	4	4	3	3	3	3	3	4
22	3	3	2	2	2	2	2	2	2	3	3	2	3	3	3	3	3	3	4	4	4	4	4	3	3
23	4	2	1	1	1	2	3	3	2	3	3	-	2	2	2	2	2	2	3	2	4	12	12	7	3
24	6	4	3	3	3	4	19	22	13	5	2	2	-	2	2	2	2	3	3	3	4	19	18	6	7
25	3	2	2	3	4	4	4	5	6	5	5	5	4	4	4	4	4	4	7	6	3	3	3	2	4
26	3	3	2	2	2	3	4	4	4	4	5	4	4	3	3	5	5	4	6	7	6	6	6	5	4
27	3	3	2	2	2	4	6	8	4	4	4	2	2	2	2	3	4	6	6	6	6	4	4	4	4
28	4	4	3	3	3	3	5	5	5	3	2	2	2	2	2	2	2	3	4	4	4	2	2	3	3
29	3	2	2	2	2	2	2	2	2	3	4	3	1	1	1	1	1	1	2	3	11	1	1	1	2
30	1	2	2	2	2	3	9	30	30	5	2	2	-	2	2	2	3	9	40	46	50	47	13	4	13
31	4	3	4	4	4	4	6	9	9	7	6	6	4	6	6	3	4	5	5	4	3	3	5	5	5
MEAN	4	4	3	3	3	5	8	10	8	4	3	3	2	3	2	3	3	4	5	6	7	7	6	5	4.7

PERCENTAGE OF DATA VALID - 94.5 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 5.5

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - C NO 44010 1298 REBECCA ST OAKVILLE												MONTH - NOV 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	3	3	2	2	2	4	9	17	7	5	2	2	2	2	2	2	4	13	24	13	13	12	7	7
2	5	5	4	4	3	3	3	5	5	7	5	5	4	4	3	3	4	11	22	23	11	20	16	16	8
3	18	17	21	14	11	9	13	21	22	15	9	9	-	10	7	4	4	4	10	17	13	10	6	5	12
4	7	8	8	16	14	11	12	17	13	9	6	5	5	5	4	4	4	6	16	21	11	7	4	8	9
5	8	14	17	16	12	9	9	11	10	8	7	5	4	3	3	3	3	3	4	3	3	3	2	2	7
6	3	3	2	2	2	2	3	4	5	4	3	3	3	3	3	3	3	3	3	3	3	2	2	4	3
7	4	2	3	2	2	2	2	3	3	3	2	2	2	2	3	2	3	8	12	7	4	3	4	4	5
8	4	4	3	3	3	3	7	12	15	11	11	6	5	3	3	3	3	3	3	3	3	4	4	3	4
9	3	3	2	2	2	2	2	2	2	5	3	3	3	3	3	3	5	6	5	7	8	5	5	7	4
10	13	8	8	7	7	8	8	14	22	19	10	5	-	2	3	3	3	3	3	3	3	3	4	3	7
11	3	5	6	5	5	5	5	6	7	5	5	4	3	3	3	4	4	4	3	3	2	2	2	2	4
12	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	2	2	2	2
13	3	2	2	1	2	1	1	1	3	3	1	1	1	1	1	2	2	2	6	9	18	5	3	6	3
14	3	3	3	3	2	3	2	2	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2
15	2	1	1	1	1	1	2	3	2	3	2	2	2	2	2	2	4	11	19	26	18	17	11	7	6
16	7	6	5	4	3	4	5	7	8	5	3	3	2	2	2	1	1	0	0	1	0	0	0	0	3
17	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	2	2	2	2	1	2	2	2	2	1
18	1	1	1	2	1	1	0	0	0	0	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1
19	2	2	1	0	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	5	5	6	5	3	2
20	5	2	1	0	0	0	1	1	-	-	-	-	-	-	3	5	5	6	6	6	4	4	3	2	3
21	1	1	1	0	0	0	3	4	6	8	9	6	5	2	0	0	1	0	0	0	0	0	0	0	2
22	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	2	1	2
23	3	3	3	2	2	2	2	2	1	1	1	2	2	3	3	3	4	3	3	3	4	4	3	3	3
24	3	3	3	1	2	3	4	3	3	3	3	3	1	-	2	2	2	3	2	3	2	1	1	1	2
25	0	0	0	0	0	0	0	0	0	3	2	2	3	3	3	3	3	3	1	1	3	3	3	1	2
26	1	2	2	1	1	1	1	1	1	1	1	2	3	3	3	4	4	3	5	6	7	6	-	3	3
27	0	0	0	0	0	0	0	0	0	0	0	0	0	-	16	5	6	6	8	8	23	13	6	5	4
28	2	2	2	2	2	2	2	6	8	7	4	3	5	3	3	3	3	3	3	3	3	3	3	3	3
29	3	3	2	2	2	2	2	3	6	6	4	2	-	-	4	4	5	5	5	6	6	3	4	4	4
30	3	3	2	3	3	2	2	3	3	3	3	3	1	2	2	2	2	5	6	6	6	5	5	5	3
MEAN	4	4	4	3	3	3	3	5	6	5	4	3	3	3	3	3	3	4	6	7	6	5	4	4	3.9

PERCENTAGE OF DATA VALID - 97.8 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 2.2

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - C NO 44010 1298 REBECCA ST OAKVILLE												MONTH - DEC 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	4	1	2	2	1	2	4	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****
2												- DATA UNAVAILABLE	-			-	-	-	-	-	-	-	-	-	
3												- DATA UNAVAILABLE	-			-									
4												- DATA UNAVAILABLE	-			-									
5												- DATA UNAVAILABLE	-			-									
6												- DATA UNAVAILABLE	-			-									
7												- DATA UNAVAILABLE	-			-									
8												- DATA UNAVAILABLE	-			-									
9												- DATA UNAVAILABLE	-			-									
10												- DATA UNAVAILABLE	-			-									
11												- DATA UNAVAILABLE	-			-									
12												- DATA UNAVAILABLE	-			-									
13												- DATA UNAVAILABLE	-			-									
14												- DATA UNAVAILABLE	-			-									
15												- DATA UNAVAILABLE	-			-									
16												- DATA UNAVAILABLE	-			-									
17												- DATA UNAVAILABLE	-			-									
18												- DATA UNAVAILABLE	-			-									
19												- DATA UNAVAILABLE	-			-									
20												- DATA UNAVAILABLE	-			-									
21												- DATA UNAVAILABLE	-			-									
22												- DATA UNAVAILABLE	-			-									
23												- DATA UNAVAILABLE	-			-									
24												- DATA UNAVAILABLE	-			-									
25												- DATA UNAVAILABLE	-			-									
26												- DATA UNAVAILABLE	-			-									
27												- DATA UNAVAILABLE	-			-									
28												- DATA UNAVAILABLE	-			-									
29												- DATA UNAVAILABLE	-			-									
30												- DATA UNAVAILABLE	-			-									
31												- DATA UNAVAILABLE	-			-									
MEAN	5	4	1	2	2	1	2	4	6	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	3.0

PERCENTAGE OF DATA VALID - 1.2 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 98.8

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT				UNITS - 0.01 PARTS/MILLION			
STATION - C NO 44010 1298 REBECCA ST OAKVILLE							
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING			
JAN	27	5.4	13	37			
FEB	28	5.4	14	44			
MAR	9	8.5	14	28			
APR	25	5.3	9	28			
MAY	31	6.3	12	33			
JUN	30	5.3	10	28			
JUL	16	3.6	7	21			
AUG	31	3.5	7	31			
SEP	30	2.8	5	19			
OCT	29	4.7	13	51			
NOV	30	3.9	12	26			
DEC	0	3.0	****	6			
YEAR	286	4.8	14	51			

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44010 1298 REBECCA ST OAKVILLE

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	447	141	59	9	5	0	0	661
FEB	445	157	48	7	2	1	0	660
MAR	87	71	54	13	0	0	0	225
APR	456	116	49	7	0	0	0	628
MAY	441	184	96	12	1	0	0	734
JUN	491	171	40	6	0	0	0	708
JUL	343	48	9	1	0	0	0	401
AUG	608	84	40	2	1	0	0	735
SEP	614	67	25	0	0	0	0	706
OCT	559	93	40	3	4	3	1	703
NOV	569	78	47	10	0	0	0	704
DEC	8	1	0	0	0	0	0	9
YEAR	5068	1211	507	70	13	4	1	6874

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
78.5	0	0.7	2.0	3.0	4.6	9.3	12.9	17.7	21.5	51	4.8

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	8	10	10	7	7	5	5	5	3	3	5	5	7	8	8	9	7	7	5	3	3	3	3	3	6
2	3	3	3	3	1	1	3	3	4	3	3	3	3	3	5	5	6	5	5	5	5	4	4	4	4
3	4	4	4	4	4	4	4	7	8	5	4	4	5	6	4	-	8	15	21	14	9	10	8	6	7
4	3	3	3	4	5	5	10	18	35	13	8	11	8	6	6	8	8	8	9	8	7	6	7	8	9
5	6	5	3	3	5	6	9	29	25	21	19	11	8	9	11	12	13	17	23	31	27	29	20	16	15
6	8	5	4	3	4	4	5	6	11	8	8	9	7	8	10	10	12	5	4	10	17	9	5	7	7
7	5	7	7	6	5	5	7	8	11	16	19	20	21	22	24	21	25	23	26	26	23	17	17	19	16
8	21	21	12	5	4	3	4	5	5	6	6	6	8	12	9	26	22	21	11	9	9	6	3	3	10
9	2	1	1	1	1	1	2	4	5	3	3	3	3	3	3	4	5	6	6	5	3	3	3	3	3
10	2	2	2	2	2	2	3	8	9	2	2	2	3	3	2	3	3	3	3	3	3	3	3	5	3
11	3	3	3	3	2	2	3	4	5	4	4	4	4	4	4	5	7	7	5	7	7	7	7	6	5
12	5	3	3	3	3	3	3	5	8	13	9	-	-	9	7	8	9	12	16	17	16	21	15	14	10
13	16	14	14	16	16	18	20	8	8	7	19	17	16	-	14	14	15	14	12	11	9	6	5	5	13
14	5	3	3	3	2	3	3	3	5	5	6	5	4	5	5	5	5	6	5	5	3	3	3	3	4
15	3	3	3	3	3	3	3	3	4	3	3	3	4	4	3	5	6	6	3	3	4	5	3	3	4
16	3	3	2	3	3	2	3	8	8	6	6	6	4	5	5	6	8	10	8	9	8	15	16	32	7
17	26	16	15	9	9	12	17	19	25	29	23	19	17	12	14	16	14	11	9	6	5	5	5	5	14
18	5	3	3	3	3	4	5	8	9	8	6	5	7	7	6	9	12	18	18	13	10	13	13	8	8
19	9	12	11	10	6	8	12	28	-	-	13	12	10	8	12	16	18	20	18	12	8	8	8	6	12
20	5	3	2	2	2	2	4	7	8	7	6	6	5	6	6	6	6	6	6	6	5	3	3	3	5
21	3	2	3	2	2	2	2	3	3	5	5	4	5	6	7	9	8	13	26	38	27	14	8	8	9
22	7	7	8	8	7	5	6	6	10	4	4	3	4	4	6	6	6	8	6	5	5	3	3	4	6
23	4	4	4	4	4	4	6	6	7	7	4	4	4	5	4	5	5	11	9	10	5	7	19	6	6
24	17	6	5	5	5	5	5	11	15	9	8	7	6	8	12	11	8	11	9	10	8	8	8	10	9
25	11	11	14	15	11	11	11	19	26	26	25	23	23	23	21	22	24	19	14	7	7	4	3	2	16
26	2	2	4	4	3	2	3	5	4	3	3	3	3	3	3	-	-	-	3	2	1	1	1	1	3
27	1	1	1	1	1	1	2	3	3	4	3	2	3	3	3	5	5	5	5	5	5	5	4	4	3
28	4	3	2	2	2	3	4	5	6	7	6	5	4	5	5	5	5	5	5	7	6	4	4	4	5
29	4	4	4	4	3	3	3	4	4	4	5	5	5	4	5	4	4	4	4	5	4	4	5	5	4
30	4	4	3	3	4	4	5	14	20	20	11	-	-	4	4	4	7	10	8	7	8	6	4	4	7
31	4	3	3	3	3	4	6	8	10	5	6	7	8	6	6	8	8	9	8	7	6	4	4	3	6
MEAN	7	6	5	5	4	4	6	9	10	8	8	8	7	7	7	9	10	10	10	10	9	7	6	7	7.5

PERCENTAGE OF DATA VALID - 98.4

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -\*- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA															MONTH - FEB 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	3	3	4	4	6	7	5	5	4	4	4	4	4	6	6	7	6	6	7	7	6	5
2	6	6	6	6	6	6	9	17	19	14	9	8	6	6	5	7	11	17	16	19	10	9	10	8	10
3	4	5	6	4	5	6	12	25	25	18	11	11	6	6	5	7	12	12	14	16	16	14	12	12	11
4	11	10	8	7	7	7	7	9	10	10	10	11	12	13	13	14	15	19	22	24	22	23	24	14	
5	21	18	16	14	13	13	11	7	6	10	9	8	9	9	8	9	9	9	9	8	8	8	8	10	
6	5	5	5	5	5	5	7	12	13	11	9	8	6	6	6	7	9	8	6	6	5	5	5	4	7
7	4	4	4	3	3	3	4	7	8	6	5	5	5	5	6	5	7	8	8	7	7	7	6	6	6
8	6	5	4	4	4	4	6	10	12	10	8	8	7	7	7	8	9	13	16	20	12	9	7	6	8
9	5	4	3	3	4	4	5	12	15	9	7	9	9	7	8	8	8	11	12	11	11	10	6	6	8
10	6	5	3	3	3	3	3	6	15	19	9	12	9	8	4	4	4	7	6	7	6	5	5	6	7
11	6	6	3	3	3	3	3	4	5	4	4	4	4	4	4	5	5	4	3	4	4	4	3	3	4
12	4	3	3	3	2	2	2	2	2	3	3	3	3	3	3	4	3	4	3	3	3	4	3	3	3
13	3	4	5	3	3	3	6	9	10	8	7	7	7	6	6	6	8	10	12	13	8	7	6	6	7
14	7	7	5	5	5	4	5	10	11	9	7	7	7	6	5	5	7	12	22	23	26	19	12	7	10
15	4	5	5	5	5	6	13	9	13	9	4	7	6	3	3	-	7	9	13	14	16	15	12	12	8
16	11	11	12	10	7	5	5	12	6	6	5	5	8	7	3	3	3	6	6	6	7	7	6	5	7
17	6	6	5	4	3	4	6	9	10	6	4	4	4	4	4	5	6	7	8	7	11	8	13	12	7
18	7	8	8	5	5	6	5	6	6	7	4	4	4	4	4	5	6	6	9	8	6	6	9	9	6
19	8	7	5	5	5	5	4	3	4	4	4	3	3	3	4	4	3	4	5	7	6	6	8	11	5
20	8	6	7	8	7	8	15	23	22	17	6	5	5	3	3	4	6	7	11	12	15	11	9	10	10
21	5	5	5	4	3	3	6	16	17	18	14	7	5	5	5	6	7	9	9	10	7	6	6	5	8
22	3	3	3	3	3	3	4	10	12	5	4	3	3	3	3	3	4	4	4	7	6	6	6	4	5
23	3	3	3	3	3	3	4	7	11	9	7	7	4	3	3	4	5	8	8	9	7	7	6	5	6
24	7	5	4	3	3	2	3	6	6	4	3	3	3	3	3	5	6	7	7	6	5	4	4	5	4
25	5	6	7	9	4	5	6	5	5	5	6	9	8	8	6	7	6	7	10	8	7	5	3	3	6
26	4	5	5	2	1	2	2	2	3	3	2	3	3	3	3	3	5	7	9	9	4	3	4	4	4
27	3	3	3	2	2	2	4	8	9	4	3	4	4	3	3	4	5	7	8	11	9	8	6	6	5
28	5	5	5	5	5	5	7	14	19	14	6	3	3	3	3	5	7	10	12	30	26	22	19	13	10
MEAN	6	6	5	5	4	5	6	10	11	9	7	6	6	5	5	6	7	8	10	11	10	9	8	7	7.1

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 0.4

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA															MONTH - MAR 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	18	13	6	4	4	4	6	11	13	9	7	5	4	5	5	4	4	8	10	16	8	3	5	6	7
2	4	3	3	3	2	2	3	7	8	7	4	4	3	3	3	4	6	6	7	11	9	7	10	13	6
3	11	11	8	10	9	12	15	6	5	3	3	3	6	7	8	7	9	8	8	6	6	5	7	5	7
4	3	3	3	3	2	2	2	2	2	2	3	3	3	3	3	3	3	3	4	5	4	4	6	3	3
5	8	4	4	4	3	4	3	3	3	2	3	3	3	3	3	3	3	3	3	5	5	5	5	8	4
6	5	5	5	3	4	6	7	13	24	17	9	7	8	6	4	3	4	5	7	8	8	7	6	5	9
7	3	3	3	3	3	5	7	13	14	9	7	6	4	4	4	5	6	5	6	16	32	26	21	17	11
8	3	3	5	4	5	5	7	16	23	24	20	4	4	5	4	5	6	5	6	9	5	6	9	20	10
9	12	14	11	10	10	5	10	19	20	15	11	10	3	3	4	5	5	5	8	9	5	6	9	20	10
10	12	5	5	5	5	6	8	13	18	12	7	7	8	7	7	6	6	6	18	26	22	24	23	13	11
11	13	18	17	12	7	8	12	16	10	7	5	5	5	5	6	6	6	9	5	4	7	7	7	8	9
12	8	8	6	5	5	5	5	5	5	3	3	5	5	5	5	4	4	6	9	15	17	13	13	13	7
13	7	5	6	7	6	9	16	35	38	28	10	6	6	5	5	5	5	8	5	5	5	5	5	5	10
14	4	5	4	3	3	3	5	7	10	13	7	4	5	5	4	4	5	4	3	3	4	3	3	3	5
15	3	1	2	1	1	1	3	4	6	4	4	4	3	3	3	4	5	6	6	5	4	4	5	4	4
16	5	4	3	1	3	3	5	10	14	18	7	4	4	3	3	3	3	4	6	7	7	6	5	4	4
17	3	3	1	3	3	3	3	4	3	4	4	4	4	3	3	3	3	3	4	3	3	3	3	3	3
18	4	3	3	3	2	3	3	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
19	2	3	3	2	1	1	1	2	1	1	2	3	3	3	1	3	3	3	3	3	3	3	3	3	2
20	3	3	1	1	1	3	9	17	15	2	3	3	3	3	4	6	4	3	4	3	6	3	4	5	5
21	11	13	12	13	12	12	16	31	40	53	17	20	12	11	9	6	8	7	6	6	4	5	3	3	14
22	3	3	2	1	2	3	6	4	3	3	4	3	3	3	4	4	8	10	8	7	7	6	4	2	5
23	3	3	3	3	4	6	14	10	4	3	3	3	3	3	4	4	4	5	7	7	8	8	4	2	3
24	1	1	1	1	1	1	1	1	1	2	2	3	3	3	3	3	4	4	6	6	5	4	6	3	3
25	6	5	5	5	4	5	6	9	4	4	3	3	2	2	3	4	3	3	2	3	3	3	2	2	4
26	1	1	2	3	3	4	4	5	4	5	4	4	3	3	3	3	3	3	3	3	3	3	3	2	3
27	3	3	3	3	3	3	4	7	7	6	6	5	5	4	4	5	7	7	9	10	13	7	4	3	5
28	2	2	1	3	3	3	4	4	3	3	3	3	3	3	-	5	7	7	8	9	9	8	11	13	5
29	11	3	3	2	1	1	4	4	3	3	2	3	3	2	2	2	4	4	4	6	7	4	4	3	4
30	2	2	2	1	1	1	4	5	7	4	3	3	-	-	3	4	4	6	6	7	6	5	5	3	4
31	4	3	3	3	4	5	17	39	15	6	3	3	5	-	-	-	5	5	5	4	3	3	3	3	7
MEAN	6	5	4	4	4	4	7	11	10	9	5	5	4	4	4	4	5	5	7	8	8	7	6	6	6.0

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 0.8

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## UNITS - 0.01 PARTS/MILLION

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. "-" INDICATES DATA IS UNAVAILABLE  
3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## UNITS - 0.01 PARTS/MILLION

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. \*-\* INDICATES DATA IS UNAVAILABLE  
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
		STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA														MONTH - JUN 78											
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1																											
2																											
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											
13																											
14																											
15																											
16																											
17																											
18																											
19																											
20		7	4	3	4	5	5	8	12	8	10	9	8	6	4	4	4	4	4	5	5	6	6	7	16	10	*****
21		21	16	12	14	15	12	-	10	15	14	7	7	8	6	4	5	5	4	4	5	5	7	7	7	5	9
22		4	3	3	3	3	5	6	5	4	4	4	3	4	-	4	4	4	5	4	5	6	5	2	4	4	
23		3	2	1	1	1	3	5	4	3	3	3	3	3	3	4	3	5	4	4	4	7	7	5	5	4	
24		5	5	4	2	3	3	4	3	3	4	4	4	2	1	1	1	1	1	2	3	7	19	15	8	4	
25		8	6	7	11	6	5	6	5	5	5	5	2	3	2	2	2	2	2	3	5	5	7	8	7	5	
26		3	2	2	3	4	6	7	8	6	5	5	4	4	-	4	5	4	4	4	4	3	3	4	4	4	
27		4	3	3	3	3	4	5	5	3	3	4	3	3	3	3	4	4	4	3	3	3	7	6	4	4	
28		2	2	2	2	3	3	5	4	3	3	2	3	2	3	3	3	3	3	3	4	4	6	7	5	4	
29		3	3	3	2	2	4	6	5	3	3	3	3	3	3	3	3	3	3	3	4	4	5	4	4	4	
30		4	3	3	2	2	4	7	8	5	3	3	3	3	3	4	4	5	4	4	5	6	5	4	4	4	
MEAN		6	4	4	4	4	5	6	6	5	5	4	4	4	3	3	4	4	4	4	5	6	7	8	8	4.9	

PERCENTAGE OF DATA VALID - 37.6 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 62.4

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. -- INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																											
POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION													
STATION - C NO 46110		QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA												MONTH - JUL 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	2	2	2	2	3	3	5	6	3	3	2	1	1	1	1	3	1	1	2	2	8	18	10	11	4		
2	6	5	5	3	3	3	4	2	2	2	1	1	2	2	2	1	2	1	3	2	2	2	4	3	3		
3	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	4	5	4	3	3	3	3	3	3		
4	2	2	2	2	3	4	4	4	3	3	3	3	3	2	3	3	4	3	3	4	6	9	14	17	6		
5	5	5	4	4	4	7	12	14	4	7	6	3	2	3	3	2	2	3	3	3	3	3	3	2	4		
6	5	3	3	3	3	5	7	5	3	3	5	4	22	-	2	2	2	2	2	3	4	3	3	3	3		
7	2	2	2	3	4	7	3	4	4	5	4	3	3	3	2	2	2	2	2	2	2	2	2	1	2		
8	3	4	4	3	2	1	2	2	2	2	2	1	1	2	2	1	1	1	2	2	2	3	3	2	2		
9	1	1	1	1	1	2	2	0	1	1	1	2	2	1	1	3	1	1	1	1	2	2	3	1	2		
10	2	1	1	1	1	1	3	2	2	1	2	1	1	1	1	3	1	1	1	1	2	2	3	1	2		
11	1	1	1	0	1	2	6	5	2	1	3	3	2	2	3	4	4	2	-	-	-	-	-	-	2		
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	2	2	3	4	9	12	15	*****		
13	11	6	4	3	3	4	6	7	5	4	4	4	4	4	3	3	3	3	3	3	3	4	4	10	4		
14	4	3	3	3	3	3	4	5	5	4	4	3	3	3	4	4	4	3	3	5	8	10	10	4	4		
15	4	5	4	3	2	3	4	4	5	3	3	3	3	2	2	2	2	3	3	4	4	4	2	3	3		
16	2	1	1	1	1	1	1	1	1	2	3	3	2	2	2	2	2	2	3	3	3	3	3	2	2		
17	1	1	1	1	1	3	6	5	3	3	3	3	2	2	2	2	2	3	3	3	3	4	6	7	4		
18	3	4	3	5	3	5	9	9	6	6	5	5	5	3	2	2	3	3	3	6	5	4	12	20	8		
19	10	10	4	3	6	12	18	20	19	13	5	5	3	3	3	3	4	4	4	4	4	4	4	4	7		
20	23	10	8	10	11	14	14	11	6	3	4	-	-	-	3	3	4	4	4	4	4	4	4	4	4		
21	4	4	3	3	3	5	6	9	9	8	6	4	5	4	4	3	4	4	6	8	7	10	12	6	6		
22	7	5	4	4	3	3	4	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	4		
23	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	4	5	2		
24	4	3	2	2	2	4	10	12	9	3	2	1	2	1	1	2	3	3	3	4	5	7	7	9	4		
25	9	7	7	10	9	10	15	18	8	6	3	2	-	2	2	2	2	2	2	2	3	4	7	8	4		
26	4	1	3	3	6	11	9	3	3	3	3	3	3	3	3	4	6	4	5	6	2	2	2	3	4		
27	3	2	2	2	2	3	5	5	3	3	3	3	3	3	-	3	4	6	4	5	6	2	2	1	4		
28	-	-	-	-	-	-	-	-	4	4	4	3	3	3	3	3	4	4	4	4	5	11	5	4	4		
29	3	7	8	6	6	3	3	4	5	3	3	3	3	3	3	3	3	3	3	3	2	2	2	1	4		
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6	8	9	13	12	3		
31	12	6	2	5	7	8	5	4	5	4	9	3	2	-	1	1	2	3	3	3	7	7	9	6	5		
MEAN	5	4	3	3	3	5	6	6	4	4	3	3	3	2	2	2	3	3	3	4	5	6	6	6	3.9		

PERCENTAGE OF DATA VALID - 95.2 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 4.8

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. -- INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA															MONTH - AUG 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	7	5	4	4	5	6	7	14	8	5	5	4	4	4	3	4	3	3	3	5	10	13	16	17	7
2	9	5	3	3	3	4	8	10	9	6	5	3	2	3	2	2	2	3	3	5	4	3	3	4	4
3	3	2	2	2	2	3	6	8	5	4	4	4	4	3	3	3	3	3	6	5	3	3	3	2	4
4	1	1	1	1	1	2	7	7	5	4	3	3	1	1	2	2	5	3	3	5	8	6	11	8	4
5	8	8	6	4	3	4	6	9	6	8	7	6	3	2	2	1	2	2	2	3	6	7	8	7	5
6	8	8	6	4	2	3	3	3	3	3	2	3	2	1	1	1	1	1	2	3	10	21	18	15	5
7	13	10	6	3	2	2	4	5	5	5	-	2	3	2	2	2	2	3	3	4	9	7	14	11	5
8	8	7	6	3	4	5	7	8	5	5	5	4	3	3	4	4	4	4	3	4	4	3	3	2	5
9	2	2	2	2	2	3	5	6	6	6	7	6	7	5	5	8	6	4	4	5	5	4	3	2	4
10	2	2	1	1	1	4	9	7	5	8	8	3	3	3	3	2	2	2	2	6	10	15	22	16	6
11	7	3	4	4	4	7	13	20	15	4	3	-	6	4	3	3	3	2	3	4	8	14	14	9	7
12	7	6	4	4	3	3	5	4	4	6	6	4	4	4	3	2	3	3	4	7	10	14	10	6	5
13	4	4	4	4	2	2	2	3	3	4	4	4	4	4	4	4	4	3	4	5	6	8	9	7	4
14	6	5	5	3	2	4	9	9	6	7	5	5	4	2	2	2	3	3	4	4	9	11	12	10	6
15	20	10	10	9	6	6	9	6	5	3	3	3	3	3	3	3	3	4	6	7	7	4	4	6	6
16	8	6	4	3	3	4	3	3	3	3	3	2	2	2	3	3	2	3	3	3	3	2	3	3	3
17	2	2	2	2	2	2	5	5	3	4	4	2	3	3	3	3	3	3	3	4	7	8	8	11	4
18	9	6	6	4	3	7	13	13	7	3	3	2	3	2	2	2	2	2	4	4	6	4	3	4	5
19	4	2	2	2	3	4	5	5	3	3	3	3	3	2	2	2	2	3	4	3	2	2	2	2	3
20	3	2	2	1	1	1	1	2	2	2	2	3	2	2	2	3	1	2	3	6	7	5	4	3	3
21	3	1	1	1	3	5	10	11	7	9	7	5	-	3	2	2	2	2	2	6	12	14	11	10	6
22	10	8	7	6	6	11	20	19	18	7	6	5	5	4	3	3	3	3	4	10	22	18	12	10	9
23	4	3	3	2	2	5	15	15	18	8	4	2	2	3	4	4	4	3	4	10	15	12	8	3	6
24	2	2	1	1	1	5	13	8	7	6	4	5	7	7	7	6	5	4	3	4	4	4	5	4	5
25	3	3	3	3	3	4	8	12	11	9	8	6	4	3	5	6	6	8	12	13	14	12	5	4	7
26	5	4	4	3	3	3	4	5	5	3	3	4	2	1	2	3	3	4	5	9	10	8	6	5	4
27	4	3	3	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	3	3	3	3	3	2
28	0	0	1	1	1	4	4	5	4	4	3	2	3	2	2	3	3	3	4	4	4	3	3	3	3
29	3	3	3	2	4	4	3	10	6	4	4	4	4	4	4	4	4	3	4	8	9	9	7	6	5
30	4	5	4	3	3	4	14	17	8	5	3	5	4	3	2	3	4	7	8	17	6	4	3	3	6
31	3	3	1	1	1	3	10	11	11	11	6	4	3	3	3	3	3	3	4	13	17	17	12	15	7
MEAN	6	4	4	3	3	4	7	8	7	5	4	4	3	3	3	3	3	3	4	6	8	8	8	7	4.9

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 0.4

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA															MONTH - SEP 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6	5	3	3	3	4	8	9	7	4	3	5	4	3	4	4	3	3	5	8	12	13	8	5	6
2	3	4	6	9	8	7	10	3	3	-	1	2	3	2	2	2	2	2	2	4	5	3	5	2	4
3	2	2	1	2	2	2	4	4	3	3	3	3	4	3	3	4	3	2	2	2	2	2	2	1	3
4	1	1	1	1	1	1	2	2	2	2	1	1	1	2	2	2	2	3	5	3	3	3	5	3	2
5	3	7	4	3	4	7	9	8	6	5	5	4	-	4	4	4	4	5	5	7	8	10	12	10	6
6	4	4	4	4	10	11	5	7	6	4	3	3	3	3	3	4	4	5	4	5	4	3	2	4	5
7	2	2	2	2	3	4	7	8	5	5	4	4	3	2	2	6	5	3	3	1	3	3	2	4	5
8	2	2	2	2	2	3	5	3	3	8	7	3	3	3	3	3	5	7	10	11	10	7	5	3	5
9	4	3	3	3	3	3	4	3	4	5	3	3	1	1	1	1	1	2	4	8	9	4	2	1	3
10	1	1	1	0	1	1	2	3	3	4	4	-	5	2	3	2	2	3	4	7	9	13	15	15	4
11	9	7	8	8	8	12	21	27	13	18	6	5	4	4	3	3	3	3	4	7	6	4	3	2	8
12	2	2	2	1	1	3	9	7	7	5	4	4	4	8	14	13	6	5	5	6	7	5	6	3	5
13	2	1	1	1	2	8	15	13	4	2	3	6	4	4	6	6	5	4	4	5	5	3	1	1	4
14	1	1	1	1	2	3	5	5	5	4	4	4	-	4	-	6	6	3	3	2	2	4	4	4	3
15	3	3	3	1	2	1	8	5	4	2	3	2	-	-	-	-	-	-	-	16	9	7	7	6	5
16	4	4	3	2	2	3	6	4	4	3	3	3	2	2	3	3	3	3	4	4	4	4	5	6	4
17	5	4	3	4	3	4	7	7	8	6	4	4	3	4	4	3	3	3	3	4	4	5	5	4	4
18	4	3	2	2	1	2	3	3	5	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	*****
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	8	7	6	6	8	11	10	14	21
20	14	10	9	6	7	9	17	24	17	9	5	4	4	5	5	6	-	5	5	7	7	10	14	14	9
21	17	18	12	11	17	27	34	71	19	8	9	8	6	6	6	6	6	6	6	6	4	4	4	3	13
22	2	2	2	2	2	5	9	12	10	10	7	5	-	5	5	5	5	3	5	11	17	13	8	7	7
23	5	5	5	5	6	6	11	9	11	8	4	5	2	1	2	2	2	3	6	7	15	15	27	21	8
24	24	21	17	14	7	4	5	4	4	2	2	2	3	2	2	3	3	3	7	10	12	7	6	3	7
25	1	0	0	1	1	2	8	8	3	2	2	2	3	3	3	4	-	5	6	7	7	7	8	6	4
26	3	4	4	4	5	9	19	31	32	10	6	4	4	4	4	4	4	5	9	10	7	9	11	4	9
27	11	4	3	3	5	10	14	7	9	5	4	3	3	4	4	5	5	5	9	8	5	3	2	2	6
28	2	1	1	1	1	4	9	9	5	3	3	3	3	3	5	6	5	6	11	16	18	12	16	14	7
29	14	8	6	5	4	9	27	40	24	20	-	4	3	3	3	4	4	4	6	4	4	4	4	9	9
30	16	25	19	18	13	15	23	27	25	8	5	6	6	4	4	6	7	8	10	6	8	5	4	5	11
MEAN	6	5	4	4	4	6	11	13	9	6	4	4	3	3	4	4	4	4	6	7	7	6	7	6	5.8

PERCENTAGE OF DATA VALID - 94.2 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 5.8

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA															MONTH - OCT 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6	7	4	3	3	3	4	4	4	3	4	4	4	4	4	4	4	4	4	4	5	3	3	3	4
2	3	3	3	3	3	6	14	18	15	7	5	5	4	4	4	4	4	6	11	23	27	27	24	17	10
3	20	23	22	22	21	9	5	4	4	3	4	5	5	7	5	5	6	-	5	5	5	6	6	6	9
4	2	2	1	2	3	6	20	23	10	6	5	-	-	-	-	4	4	6	11	22	14	8	6	6	8
5	3	3	3	7	8	6	19	34	25	3	3	3	3	4	4	4	5	4	4	3	2	2	4	5	7
6	6	5	1	2	3	4	6	6	5	3	3	5	3	3	3	4	5	5	6	5	3	2	2	2	4
7	2	2	1	1	1	2	3	2	2	2	3	3	3	2	3	3	3	3	3	3	3	3	3	3	2
8	1	1	1	1	0	1	1	1	1	1	3	1	3	3	3	3	3	3	3	4	7	6	8	7	6
9	7	8	8	4	3	4	5	6	3	3	2	2	2	2	2	2	2	4	5	5	5	7	4	2	4
10	1	1	1	1	1	3	9	12	6	6	5	4	4	4	4	6	6	3	-	22	8	7	6	8	6
11	12	10	4	5	5	11	33	57	20	11	8	7	6	5	5	6	11	13	9	7	8	14	9	3	12
12	3	2	1	1	3	5	6	6	7	4	4	4	3	3	3	7	6	10	-	4	4	5	4	4	4
13	3	3	2	3	3	5	13	11	7	6	5	6	4	5	5	5	6	7	8	8	7	7	5	4	6
14	4	3	2	2	1	2	3	3	5	5	5	6	5	5	5	4	5	4	4	5	2	2	5	5	4
15	3	3	3	3	3	3	5	6	5	2	3	-	3	3	3	3	3	6	10	12	15	19	19	16	7
16	10	5	3	3	4	9	18	18	13	8	5	3	6	7	8	3	4	6	11	14	20	17	13	7	9
17	8	6	5	5	5	7	14	22	24	13	5	4	4	3	3	3	4	6	11	14	20	17	13	7	9
18	6	3	4	5	6	18	18	10	8	7	5	5	6	4	6	6	8	8	7	6	7	8	6	6	7
19	7	4	3	2	1	9	10	18	15	8	-	5	4	4	7	8	8	9	11	13	11	3	3	2	7
20	1	1	1	1	2	5	13	15	11	8	3	3	5	5	3	4	5	5	6	18	8	6	5	5	6
21	4	3	3	3	3	5	5	32	32	14	5	4	4	4	4	4	3	4	4	4	5	6	5	5	7
22	4	5	5	3	2	2	3	5	3	4	4	4	4	4	4	4	4	4	6	6	6	5	4	5	4
23	4	2	2	2	2	2	5	7	5	5	4	4	-	3	3	4	5	5	5	4	8	10	10	12	5
24	8	6	7	7	6	6	18	24	17	5	3	3	3	3	3	3	3	4	4	4	5	10	15	27	8
25	16	12	4	4	4	8	13	13	13	6	6	5	5	4	5	6	7	5	4	4	4	3	3	3	7
26	2	2	2	2	3	5	5	7	6	7	8	5	4	5	6	7	9	7	7	8	8	7	5	4	5
27	3	2	2	2	2	3	7	11	5	4	4	5	4	4	6	-	5	7	5	4	4	3	4	4	4
28	5	4	3	4	4	3	5	5	4	4	3	3	3	3	3	4	5	6	5	5	5	3	3	3	4
29	4	3	4	4	2	2	2	4	5	5	6	4	3	3	3	2	3	3	3	9	19	29	35	36	5
30	1	1	1	1	1	1	4	24	6	4	4	4	-	-	-	-	-	-	-	-	-	-	-	-	*****
31	6	4	4	3	3	3	6	10	15	9	7	6	6	7	6	7	7	8	6	5	6	5	5	5	6
MEAN	5	4	4	4	4	5	9	13	10	6	4	4	4	4	4	5	5	6	7	9	9	9	8	6	6.2

PERCENTAGE OF DATA VALID - 96.9

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 3.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA															MONTH - NOV 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6	5	4	4	3	4	7	19	25	24	10	4	3	3	2	2	5	11	-	40	45	24	9	12	12
2	8	5	4	4	7	4	7	9	11	7	6	-	5	4	4	6	7	11	16	14	10	10	10	25	8
3	25	18	20	14	8	10	16	37	44	30	17	11	9	7	7	7	8	8	9	19	18	14	11	11	16
4	10	9	9	12	12	11	13	20	16	15	15	12	11	14	18	12	15	21	26	30	11	12	8	7	14
5	11	12	17	16	13	14	14	18	12	10	9	7	-	7	8	7	8	8	6	6	6	5	4	4	6
6	3	2	2	2	2	2	3	6	9	6	4	4	5	5	5	6	9	15	16	10	9	8	8	8	6
7	3	3	3	3	3	3	9	19	28	13	7	6	6	5	5	5	5	6	10	9	9	5	5	6	8
8	4	3	3	2	2	2	4	5	5	5	5	5	5	5	4	4	10	15	-	10	9	9	11	12	6
9	14	14	8	7	7	7	11	23	35	19	9	9	6	5	6	6	5	6	6	6	7	7	8	11	10
10	7	9	6	8	8	5	7	11	9	8	6	7	4	5	8	9	7	8	7	5	4	3	2	2	6
11	3	2	2	2	1	1	1	3	1	3	3	5	-	6	5	7	6	6	4	5	7	8	7	6	4
12	4	4	3	3	3	4	9	14	21	19	19	11	4	6	6	9	8	7	8	13	11	7	6	6	9
13	4	4	4	4	4	4	4	4	4	4	4	2	3	4	3	4	3	5	4	4	3	3	3	2	4
14	5	4	4	4	4	4	4	4	5	7	5	5	6	6	6	6	8	12	20	26	29	21	29	25	16
15	3	2	2	2	2	2	4	5	7	5	5	6	6	6	6	8	12	20	26	29	21	29	25	16	
16	11	10	8	6	6	5	9	26	33	13	8	4	3	5	5	4	5	-	7	6	4	4	4	3	8
17	3	2	2	2	2	2	3	4	4	4	5	6	6	6	6	7	5	5	4	5	3	4	3	4	3
18	3	3	2	2	2	2	2	2	2	2	2	2	3	3	3	3	4	5	5	5	3	3	3	4	3
19	3	3	3	2	2	2	2	2	2	2	2	2	-	3	3	3	4	6	4	5	6	7	5	4	3
20	2	2	2	2	2	2	3	7	7	6	7	6	8	7	7	7	9	11	-	10	8	6	5	4	6
21	3	3	3	3	3	3	6	11	15	13	12	12	13	12	6	7	9	10	9	14	21	7	6	3	9
22	3	2	2	2	2	2	3	4	4	3	3	3	3	3	3	4	5	-	7	6	5	5	4	5	4
23	5	3	3	3	3	3	4	6	6	6	6	6	7	7	7	7	8	7	7	8	7	7	6	6	5
24	6	4	4	4	3	3	6	9	10	9	8	5	3	5	5	6	6	-	6	5	4	3	2	2	5
25	2	2	2	2	2	2	2	3	4	5	6	5	4	4	4	5	6	5	6	5	6	5	3	3	4
26	3	3	3	3	3	3	2	2	3	4	4	4	-	5	5	6	6	7	7	8	7	7	7	5	5
27	1	1	1	2	2	4	5	3	3	1	6	3	3	3	3	4	5	11	11	10	7	5	5	3	4
28	3	3	3	2	2	2	5	14	22	11	6	7	6	6	6	7	9	7	5	5	4	5	5	3	6
29	3	3	3	3	3	3	10	15	13	13	7	4	6	5	5	-	-	7	7	9	9	6	5	7	4
30	3	3	3	3	3	3	2	4	5	4	3	3	3	-	3	3	5	6	8	7	5	5	5	7	4
MEAN	6	5	4	4	4	4	6	11	12	9	7	6	5	6	6	6	7	9	9	11	9	8	6	6	6.9

PERCENTAGE OF DATA VALID - 97.9

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 2.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA D

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA															MONTH - DEC 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	4	4	4	3	2	5	7	5	6	8	8	-	-	13	10	9	10	7	7	7	7	5	6	6
2	3	2	2	2	2	2	2	3	3	-	3	3	3	3	4	4	6	6	9	12	14	15	15	14	6
3	12	9	7	6	4	4	4	3	2	5	2	2	3	4	4	4	6	6	6	5	5	8	15	5	5
4	11	6	3	2	2	2	4	5	6	4	3	3	3	3	3	3	4	4	4	3	3	3	5	4	4
5	1	1	1	1	1	1	2	4	4	4	3	3	3	3	3	4	5	-	3	7	4	3	3	4	3
6	3	3	3	3	3	6	10	11	13	8	6	5	5	7	7	6	8	11	10	8	7	6	6	4	7
7	4	4	2	2	2	3	7	15	14	8	6	5	5	6	6	6	6	7	-	8	7	6	6	9	7
8	10	9	10	8	7	7	10	14	13	11	10	8	7	7	6	9	8	9	11	11	8	7	7	6	9
9	5	6	4	2	1	1	3	3	5	4	3	4	3	4	3	3	3	4	3	3	3	3	1	1	3
10	2	2	1	1	1	1	1	1	1	1	1	1	2	3	3	3	-	4	5	3	4	3	3	3	2
11	3	2	2	2	2	2	3	3	7	8	5	5	5	5	5	6	8	11	17	18	14	9	7	5	6
12	5	4	3	4	4	3	3	5	6	5	3	3	3	4	5	5	6	7	7	5	5	6	6	4	5
13	4	4	4	4	2	3	3	3	5	3	3	3	4	5	3	3	3	3	3	2	2	2	2	2	3
14	2	1	1	1	1	1	2	8	8	5	3	3	3	3	3	3	5	-	-	3	3	3	2	2	3
15	2	2	2	2	2	2	3	4	5	4	4	3	3	3	4	4	6	6	6	4	6	6	6	6	4
16	5	4	5	5	6	7	8	14	27	9	7	6	6	6	6	5	5	10	9	6	6	6	5	5	7
17	3	4	4	2	1	1	1	1	1	2	2	2	2	2	2	2	2	3	2	2	2	3	3	3	2
18	2	2	3	3	3	3	5	7	8	6	5	4	6	4	4	5	6	6	7	11	7	7	7	5	5
19	5	3	4	3	3	5	5	6	8	6	6	5	5	5	6	8	12	16	21	14	9	6	7	8	7
20	7	7	8	8	5	5	7	6	6	10	7	4	3	-	6	6	5	4	4	5	6	5	6	7	6
21	5	5	4	3	3	3	2	3	3	3	2	3	3	2	3	3	6	9	6	6	5	6	5	5	4
22	3	2	2	2	2	2	3	6	6	9	6	5	6	5	5	5	6	5	4	4	4	3	3	3	4
23	2	2	2	2	2	2	2	3	4	3	3	3	4	4	4	5	8	13	17	18	40	45	45	37	11
24	36	32	39	16	3	2	2	2	2	3	3	4	5	3	6	6	7	6	5	4	3	3	3	3	8
25	3	3	5	3	5	4	3	3	3	4	5	2	2	2	2	2	2	2	2	2	2	2	2	2	3
26	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
27	3	2	2	2	2	2	3	5	-	4	3	4	3	3	3	4	3	4	4	3	3	3	3	3	3
28	3	3	3	3	2	2	7	14	19	16	11	6	10	7	8	8	14	14	16	16	16	15	14	10	10
29	13	10	5	5	5	5	5	11	13	-	18	25	31	32	6	6	6	5	6	7	6	5	5	5	10
30	6	4	2	2	2	3	3	3	4	4	4	5	5	5	6	8	13	14	15	11	12	13	17	18	7
31	18	15	16	12	13	13	13	14	12	9	14	18	7	6	7	7	6	5	6	5	7	6	6	6	10
MEAN	6	5	5	4	3	3	4	6	7	6	5	5	5	5	5	5	6	7	8	7	7	7	7	7	5.7

PERCENTAGE OF DATA VALID - 98.5      PERCENTAGE OF DATA INVALID - 0.0      PERCENTAGE OF DATA UNAVAILABLE - 1.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT				UNITS - 0.01 PARTS/MILLION	
STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST,MISSISSAUGA					
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING	
JAN	31	7.5	16	38	
FEB	28	7.1	14	30	
MAR	31	6.0	14	53	
APR	15	4.3	6	21	
MAY	21	5.0	11	33	
JUN	11	4.9	9	31	
JUL	30	3.9	8	23	
AUG	31	4.9	9	22	
SEP	28	5.8	13	71	
OCT	30	6.2	12	57	
NOV	30	6.9	16	45	
DEC	31	5.7	11	45	
YEAR	317	5.8	16	71	

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	381	203	105	38	4	0	0	732
FEB	292	267	92	18	0	0	0	669
MAR	478	172	71	10	6	0	1	738
APR	304	56	20	1	0	0	0	381
MAY	386	102	30	4	1	0	0	523
JUN	209	46	13	2	1	0	0	271
JUL	588	88	30	2	0	0	0	708
AUG	526	155	57	3	0	0	0	741
SEP	449	152	57	15	4	0	1	678
OCT	464	168	62	20	6	0	1	721
NOV	366	230	83	20	4	2	0	705
DEC	470	184	67	3	7	2	0	733
YEAR	4913	1823	688	136	33	4	3	7800

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
86.8	0	1.5	2.7	3.8	5.6	10.8	15.0	20.9	25.1	71	5.8

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST. OTTAWA

MONTH - APR 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13	4	3	2	2	2	4	3	4	12	9	8	6	6	4	4	4	3	3	2	2	2	2	2	1	4
14	1	1	1	1	1	1	1	2	2	1	2	2	2	2	2	2	3	4	3	4	3	2	2	2	2
15	1	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	3	2	3	3	2	2	2	2
16	2	2	1	1	1	1	1	1	1	1	1	2	1	1	1	1	3	3	5	7	9	8	4	3	3
17	2	2	2	2	2	2	7	10	10	9	6	2	1	1	3	2	3	3	3	5	8	6	4	4	4
18	2	2	1	1	1	1	3	4	6	5	2	2	2	2	3	4	4	4	4	4	2	2	4	3	3
19	3	2	1	1	2	2	4	5	6	3	-	5	6	4	4	4	3	3	3	3	3	3	2	3	3
20	2	2	2	2	1	1	2	3	2	2	2	2	2	2	3	3	3	4	3	3	4	4	3	2	2
21	2	2	2	2	2	2	2	3	3	2	2	2	2	2	3	2	2	3	4	4	3	2	3	3	2
22	2	2	2	2	2	2	2	2	2	1	1	1	1	1	2	3	2	3	3	5	6	6	4	5	3
23	4	4	5	3	3	2	2	1	2	1	1	1	1	1	1	1	1	2	3	5	7	6	7	6	3
24	3	2	2	2	2	2	2	3	3	2	1	1	1	1	2	3	3	3	4	6	5	4	2	2	3
25	2	2	2	2	2	2	2	2	2	1	1	-	1	2	2	2	3	3	4	5	4	3	7	3	3
26	6	3	3	2	1	2	3	3	4	2	2	2	2	3	3	3	3	4	5	4	10	9	7	4	4
27	3	3	3	3	3	3	3	6	4	2	2	2	2	2	2	2	2	2	3	6	6	5	7	8	4
28	4	2	1	1	1	1	2	3	4	2	2	2	1	2	2	2	2	2	3	4	4	4	3	3	2
29	2	2	2	2	1	1	1	3	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2
30	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	3	2	2	2	2	2	2	3	4	3	2	2	2	2	2	2	3	3	4	4	4	4	4	4	2.7

PERCENTAGE OF DATA VALID - 61.3

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 38.8

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SE NO 51001															MONTH - MAY 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	4	2	1	1	1	1	1	1	1	2
2	0	0	0	0	0	1	1	2	1	1	1	1	2	2	2	2	2	2	2	3	3	2	2	1	1
3	1	1	1	1	1	3	2	1	2	1	1	1	2	2	2	2	2	2	2	1	3	4	5	4	2
4	2	1	1	1	1	3	3	2	1	2	2	2	1	2	2	3	2	3	3	3	3	3	3	3	2
5	1	1	1	1	1	1	2	3	2	2	-	-	3	2	3	5	4	4	5	5	8	4	4	4	3
6	2	3	3	2	3	3	3	3	3	3	3	2	2	2	2	2	3	3	3	3	3	2	3	3	3
7	2	1	1	1	3	2	2	1	1	1	1	1	2	2	2	2	2	3	3	3	3	3	2	3	3
8	12	8	10	5	3	5	12	11	7	3	3	3	3	3	3	5	4	6	3	4	6	10	16	16	4
9	3	2	1	1	3	3	6	6	5	4	5	3	4	4	4	4	4	4	8	10	4	3	3	3	4
10	2	1	1	1	1	3	5	3	1	-	-	1	1	1	3	3	3	2	2	3	3	4	4	5	2
11	10	10	14	6	5	4	12	18	6	3	3	2	2	3	3	4	4	4	5	6	6	6	7	6	6
12	3	2	2	2	2	5	12	13	10	9	8	8	5	6	8	11	12	12	8	5	4	3	3	3	7
13	3	3	2	2	2	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	3
14	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	3	2	4	3	3	1	2
15	1	1	1	1	1	1	3	2	3	2	2	2	3	3	3	3	3	3	2	2	2	2	2	2	2
16	1	1	1	1	1	2	3	2	2	2	-	-	2	2	2	2	3	3	3	2	2	1	1	1	2
17	1	1	2	2	2	1	3	4	3	3	3	3	5	4	2	4	2	2	5	11	9	7	7	7	4
18	7	4	2	1	2	2	3	4	4	3	3	3	5	4	2	2	2	2	2	3	12	8	6	8	3
19	3	2	2	2	2	3	4	4	3	3	1	1	1	1	2	2	2	2	2	3	11	8	6	8	3
20	5	3	3	3	3	4	4	4	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	3
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	5	10	7	4
23	5	4	2	2	2	4	11	19	8	3	2	1	1	2	3	3	3	3	3	5	5	7	8	11	5
24	16	18	11	5	4	3	6	11	10	6	4	2	2	2	3	2	2	3	2	10	16	12	6	5	7
25	6	5	8	2	2	4	6	5	9	7	-	-	2	3	3	3	3	3	3	7	12	4	3	3	5
26	6	3	3	2	2	3	3	4	4	4	3	4	4	3	3	4	4	5	7	5	5	5	5	4	4
27	5	4	4	3	2	2	2	3	3	3	3	3	3	3	3	4	5	5	5	5	5	5	5	4	4
28	4	3	3	3	3	3	3	3	3	3	3	3	4	5	6	7	7	8	8	7	7	6	6	5	4
29	5	5	4	4	4	4	4	4	4	4	4	4	4	5	6	7	8	8	8	8	7	6	6	6	5
30	5	5	5	5	4	4	4	4	4	4	4	4	5	5	6	7	8	9	9	10	12	11	10	10	7
31	7	6	8	5	5	5	4	4	4	-	-	-	-	-	-	3	4	8	2	2	4	2	3	1	4
MEAN	4	3	3	2	2	3	4	5	4	3	3	2	3	3	3	4	4	4	4	5	6	5	5	4	3.6

PERCENTAGE OF DATA VALID - 98.0

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 2.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SE NO 51001															MONTH - JUN 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	0	0	0	0	2	2	2	2	1	1	1	1	4	6	5	4	4	6	6	4	4	3	2
2	2	2	1	1	3	4	9	8	6	4	4	2	3	2	2	2	2	2	2	2	2	1	2	1	3
3	1	1	1	1	1	1	1	2	1	1	2	1	1	1	1	1	1	1	1	1	2	2	1	1	1
4	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	2	3	4	3	2	2	2	1
5	2	1	1	1	2	4	8	9	6	6	3	2	2	1	0	1	1	1	1	2	3	5	4	2	3
6	2	1	1	1	3	3	5	5	3	2	2	1	1	2	3	4	5	4	4	4	5	4	4	1	4
7	3	2	2	2	3	5	6	8	6	5	4	3	3	4	4	5	5	4	4	4	5	4	4	1	4
8	1	1	1	1	2	5	7	7	5	4	4	4	3	3	3	2	2	2	2	1	1	1	1	0	3
9	0	0	0	0	0	0	1	2	1	2	1	1	1	1	3	3	2	2	2	1	1	1	1	0	3
10	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	3	2	2	3	3	3	1	1
11	2	1	1	2	2	2	1	1	1	1	1	1	2	1	1	1	2	2	2	2	2	3	3	2	2
12	2	1	1	1	1	3	5	5	2	1	-	1	1	1	2	2	2	2	2	3	2	2	3	2	2
13	2	1	0	0	0	0	1	1	1	1	1	2	2	1	3	2	2	1	1	1	1	1	1	1	1
14	0	0	0	0	0	0	1	3	1	1	1	1	0	0	2	2	2	2	1	2	4	2	2	1	1
15	1	1	1	1	1	1	2	3	1	1	2	1	1	1	2	2	2	2	2	3	6	7	5	3	2
16	4	2	1	1	2	3	4	7	7	4	2	2	2	2	2	2	2	2	2	2	3	6	7	5	3
17	6	4	2	2	2	2	3	4	3	3	3	3	3	3	3	3	2	4	5	8	13	13	8	4	
18	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	4	3	3	3	4	4	3	2
19	3	1	1	1	1	2	2	2	2	2	2	2	2	3	4	4	4	3	1	1	2	2	1	1	2
20	1	1	1	1	2	3	3	2	2	1	1	1	1	1	1	1	1	2	3	3	3	2	2	2	2
21	0	0	0	0	1	3	3	1	0	-	-	1	1	1	2	2	3	3	3	3	4	4	3	2	2
22	3	2	2	2	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	3	3	3	3	2
23	2	2	2	2	2	2	3	2	2	2	1	1	0	0	1	2	0	0	1	1	1	3	3	4	2
24	3	2	1	1	1	1	2	1	1	1	1	1	1	1	0	0	1	1	1	2	2	5	7	6	2
25	3	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	2	4	5	4	6	2
26	2	2	2	2	2	5	6	7	5	3	3	3	-	3	3	4	5	4	3	3	3	2	3	2	3
27	1	1	1	1	1	2	2	2	1	3	3	3	3	3	3	3	2	2	2	2	3	2	3	2	2
28	1	1	0	1	1	1	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	4	1	1	-	1	1	1	1	1
30	1	0	0	0	0	0	1	1	1	1	1	1	2	2	0	1	1	1	1	2	2	2	2	1	1
MEAN	2	1	1	1	1	2	3	3	2	2	2	1	1	2	2	2	2	2	2	2	3	3	3	2	2.0

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 1.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA															MONTH - JUL 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	4	3	
2	1	2	2	2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	2	3	5	4	1
3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2	2	2	2	1
4	2	2	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	2	3	4	7	7	7	7	2
5	6	3	2	2	1	2	6	10	4	1	-	-	1	2	2	3	3	2	2	2	5	11	6	3	4
6	2	2	2	1	1	3	9	10	5	3	2	1	2	2	2	3	3	3	2	3	3	2	2	2	3
7	2	1	1	1	1	1	3	4	3	2	1	1	1	1	1	1	2	2	3	3	3	3	3	2	2
8	2	1	1	1	1	1	2	2	2	3	3	4	4	3	3	2	4	5	3	2	2	2	2	2	2
9	2	1	1	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	2	2	4	4	2	2	1
10	1	1	0	0	1	1	3	5	5	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	0	0	0	0	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	2	2	2	1	1
12	1	1	1	1	1	1	2	2	1	1	-	-	-	1	1	2	2	2	2	3	3	3	4	2	
13	4	2	2	2	2	3	7	7	4	3	2	2	2	2	1	3	4	4	5	6	4	5	5	4	4
14	2	1	1	1	1	2	4	4	2	2	2	1	1	1	1	1	1	1	1	2	2	2	6	7	2
15	4	1	1	1	1	1	1	2	2	3	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1
17	1	1	0	0	0	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1
18	2	1	1	1	1	1	3	3	3	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2
19	2	2	1	1	1	4	5	8	-	-	4	4	3	5	5	6	7	7	8	9	9	4	5	7	5
20	5	3	2	2	2	2	8	8	6	3	2	2	2	2	2	2	2	2	2	2	3	3	3	2	3
21	2	2	1	1	1	2	2	2	2	2	3	2	2	2	2	4	4	3	4	4	5	4	5	2	3
22	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	6	2	
23	4	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1
24	1	1	1	1	1	2	3	4	2	1	1	1	1	1	1	1	1	1	2	5	7	2	2	2	2
25	1	1	1	1	1	4	6	7	3	-	-	1	1	1	2	2	2	2	2	2	3	2	2	2	2
26	2	1	1	1	1	2	4	3	2	2	2	1	2	2	4	3	3	2	2	2	3	2	2	2	2
27	2	1	1	1	1	2	4	4	3	3	3	2	1	2	1	1	1	2	2	2	3	3	2	1	2
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	6	8	2	
29	8	7	5	4	5	3	4	4	4	3	4	3	4	4	6	5	3	3	3	2	2	1	1	1	4
30	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	3	4	3	3	1
31	1	2	1	1	1	3	2	4	3	2	2	1	3	3	3	3	3	3	3	3	3	2	2	1	2
MEAN	2	2	1	1	1	2	3	3	2	2	2	1	1	1	2	2	2	2	2	2	3	3	3	3	2.0

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 1.2

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA															MONTH - AUG 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	2	4	4	5	1	1	1	1	1	1	1	1	1	3	5	3	2	2	2	2
2	2	2	3	2	2	3	6	5	5	-	-	-	3	2	2	2	2	2	3	3	4	4	3	2	3
3	1	1	1	1	1	2	3	3	1	2	2	1	2	2	4	4	2	4	4	6	6	11	5	3	
4	0	1	1	0	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	
5	1	1	1	1	1	1	2	2	3	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	
6	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	2	2	2	2	3	2	
7	2	2	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	2	2	1	
8	1	1	1	1	1	1	1	2	3	3	1	-	2	2	1	2	1	1	1	1	1	1	2	1	
9	1	1	1	1	0	1	2	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
10	1	1	1	1	1	1	1	0	0	0	-	-	2	1	1	2	2	2	2	3	3	3	4	5	2
11	4	3	1	2	2	2	3	6	10	4	2	2	2	2	2	2	2	2	3	7	10	9	5	4	
12	3	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	2	
13	3	2	1	2	2	1	2	2	2	2	2	1	2	0	0	0	1	1	1	1	1	2	2	1	
14	1	0	0	0	0	2	2	2	1	1	1	1	1	1	1	2	1	1	2	2	9	6	8	2	
15	4	2	2	2	2	2	5	3	6	4	2	2	2	2	2	2	2	3	3	4	3	2	2	3	
16	1	1	1	1	2	2	4	4	2	2	-	1	2	2	2	2	2	1	2	1	2	1	2	2	
17	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	
18	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	2	1	3	5	3	3	4	1	
19	4	2	1	1	1	2	3	4	4	4	3	3	1	2	2	1	1	1	1	3	3	1	1	1	
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	4	2	
21	1	1	0	0	0	2	3	4	3	2	2	2	2	1	1	1	1	1	1	7	12	7	4	6	
22	3	4	1	1	1	2	4	6	12	9	2	1	1	1	1	2	1	1	1	1	1	1	1	1	
23	0	0	1	0	0	1	1	1	1	0	-	-	2	2	2	2	2	2	2	2	2	2	2	1	
24	1	0	0	0	0	1	2	2	2	2	2	2	2	2	2	2	2	4	5	4	3	2	2	2	
25	2	1	1	0	1	2	2	2	2	2	2	1	2	2	2	2	3	3	3	6	8	6	6	3	
26	5	3	3	3	6	4	1	2	2	2	1	1	2	2	2	2	2	2	2	2	3	4	3	2	
27	2	2	2	2	2	2	1	1	2	1	0	1	2	2	2	2	2	2	4	5	6	5	4	2	
28	2	2	1	2	2	3	4	3	2	-	-	4	5	4	4	6	5	6	8	8	5	7	4	-	
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	2	2	1	1	1	1	1	
30	1	1	1	1	1	2	3	3	2	2	4	4	2	1	1	1	2	2	3	3	3	4	5	2	
31	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	2	3	4	3	2	1
MEAN	2	1	1	1	1	2	2	2	3	2	1	1	2	1	1	2	2	2	2	3	4	3	3	3	2.0

PERCENTAGE OF DATA VALID - 98.4

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA															MONTH - SEP 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	1	1	1	2	4	6	5	2	1	1	1	1	1	1	1	1	3	6	17	9	10	8	4
2	13	13	9	5	3	3	3	4	2	2	1	1	1	1	1	1	1	1	2	2	1	2	2	2	3
3	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1
4	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	3	1	1	1	1	1
5	1	1	1	0	0	1	1	1	0	0	0	0	0	0	1	1	1	1	3	3	5	5	4	5	1
6	2	1	1	1	1	2	5	5	3	5	4	3	2	1	2	2	3	1	1	1	1	1	1	1	2
7	1	1	1	1	1	1	1	1	1	1	1	1	-	-	-	-	3	3	3	5	7	6	5	3	2
8	1	1	1	1	2	4	5	5	-	-	-	2	2	4	2	2	3	3	3	9	8	12	5	4	4
9	1	1	0	0	1	2	2	1	1	1	0	0	0	1	1	1	1	2	3	4	5	5	5	7	2
10	4	2	2	2	2	2	3	4	4	4	4	3	4	3	3	3	3	4	6	7	7	6	4	3	4
11	2	2	2	2	2	5	6	15	7	6	8	8	9	9	7	8	6	4	3	4	4	4	3	2	5
12	1	1	0	0	0	2	2	2	0	2	2	1	1	1	2	2	2	2	4	4	5	5	4	2	2
13	1	0	1	1	2	3	4	3	2	1	1	1	2	1	2	3	3	5	11	13	14	11	7	3	4
14	1	1	1	1	1	4	9	7	4	4	3	3	3	3	4	5	6	6	5	6	5	4	3	3	4
15	2	1	1	1	2	3	5	6	4	2	2	2	2	2	3	3	2	3	4	2	2	2	3	2	3
16	3	2	2	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	3	3	2	2
17	2	2	2	1	1	0	0	1	0	0	0	2	1	1	1	1	1	1	2	2	2	2	2	1	1
18	1	1	1	1	1	3	5	3	2	3	2	1	1	2	2	4	4	6	3	2	3	2	2	2	2
19	0	1	1	1	2	2	3	2	2	2	2	1	1	2	2	2	2	2	2	7	10	8	11	7	4
20	4	3	3	2	2	11	12	31	29	-	-	10	9	9	15	17	9	10	12	9	8	4	6	5	10
21	4	4	3	2	2	3	10	16	9	6	3	2	3	3	4	4	4	5	4	3	2	2	2	1	4
22	1	1	1	1	2	3	5	4	3	1	1	2	1	1	2	2	2	2	4	5	5	3	5	6	3
23	4	4	2	2	2	3	3	4	5	10	5	2	2	3	2	2	4	6	9	7	4	5	5	3	4
24	9	8	3	2	3	3	5	5	4	3	2	1	2	2	2	2	1	4	4	5	2	2	2	1	3
25	1	1	1	1	0	1	2	1	1	1	1	1	1	1	2	1	2	2	2	2	3	3	4	3	2
26	1	1	1	1	1	1	5	8	11	5	-	-	-	-	3	-	5	6	6	5	6	6	4	3	4
27	2	2	2	2	2	6	8	5	4	5	4	4	5	6	6	8	7	5	4	2	2	2	1	1	4
28	1	1	1	1	1	2	2	3	2	2	2	2	2	2	3	2	2	4	4	4	4	5	6	9	3
29	6	5	4	7	4	5	30	11	16	5	3	3	2	2	2	2	3	5	17	6	4	6	7	8	7
30	8	4	3	2	2	4	6	4	4	4	4	3	5	4	5	6	5	5	3	3	3	3	3	3	4
MEAN	3	2	2	1	2	3	5	5	4	3	2	2	2	3	3	3	3	3	5	5	5	4	4	3	3.3

PERCENTAGE OF DATA VALID - 98.2 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 1.8

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA															MONTH - OCT 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	2	2	2	2	2	2	2	3	3	3	3	3	2	2	2	2	2	2	2	3	3	2	2
2	2	2	2	2	2	2	3	3	2	2	1	2	2	2	2	2	2	4	6	7	12	4	4	5	3
3	2	2	2	2	2	4	5	3	-	-	3	3	4	2	4	4	4	5	5	3	4	3	3	3	3
4	3	3	2	2	2	5	9	9	11	9	8	7	7	11	10	9	8	11	15	5	7	9	7	9	7
5	9	8	5	3	4	7	13	10	10	9	9	7	6	6	6	9	12	17	10	7	8	5	5	3	8
6	4	2	2	2	4	5	11	18	16	9	6	5	5	4	5	7	8	7	7	7	5	4	5	4	6
7	4	4	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	4	4	3	4	2	2	2	3
8	2	2	1	1	2	2	2	2	1	2	2	2	1	2	2	2	2	2	2	3	3	5	4	3	2
9	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	4	4	4	5	4	4	4	3
10	4	2	2	3	2	3	4	4	5	8	-	4	-	2	2	2	3	5	4	6	4	7	19	10	5
11	12	3	2	3	4	5	9	11	7	6	7	4	4	3	5	6	8	13	7	6	6	7	8	7	6
12	5	4	2	2	3	3	7	5	4	3	3	4	4	4	4	9	14	15	7	4	4	4	4	4	5
13	4	2	2	2	3	3	6	7	4	3	4	4	2	2	3	4	5	5	6	5	7	5	2	2	4
14	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	2
15	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2	3	2	3	3	1	2	1
16	2	2	1	1	1	2	5	5	2	1	1	1	1	1	1	2	2	3	3	6	7	5	4	3	3
17	2	1	1	1	2	5	11	10	7	5	1	2	2	2	2	2	3	7	14	17	8	6	5	4	5
18	3	3	3	3	3	8	14	15	9	9	7	6	5	6	7	9	7	7	7	5	5	6	4	3	6
19	2	1	1	0	1	2	3	3	2	2	-	2	2	2	2	3	3	4	4	6	9	13	9	5	4
20	4	2	2	1	3	3	8	13	12	10	3	2	2	2	3	4	7	7	5	5	6	6	6	5	5
21	5	4	2	3	3	2	3	5	7	10	6	5	4	4	5	5	5	6	6	6	9	9	7	7	5
22	6	5	5	3	3	3	3	4	4	4	4	4	4	3	4	4	2	2	5	3	5	5	4	2	4
23	4	2	2	2	2	2	3	3	3	3	3	3	2	2	3	3	3	3	2	2	2	2	2	2	3
24	2	2	2	1	1	3	5	7	8	4	3	3	2	2	4	5	6	5	5	6	6	5	4	3	4
25	3	1	1	1	1	4	6	16	15	-	5	5	5	5	8	9	11	11	14	18	6	3	3	3	7
26	3	2	2	2	3	4	5	8	7	5	6	7	5	4	4	4	5	7	6	5	4	3	2	2	4
27	2	2	2	1	1	3	3	4	3	2	2	2	2	2	3	4	10	8	3	3	16	11	9	7	4
28	9	6	5	5	5	5	4	4	4	4	3	2	4	2	3	4	4	3	2	2	2	2	2	2	4
29	2	2	2	2	1	1	1	1	1	1	0	0	0	0	1	1	1	4	6	7	7	14	15	10	3
30	10	7	5	3	7	5	4	7	10	7	4	4	4	4	4	6	9	9	8	5	4	3	4	4	6
31	5	3	2	2	2	2	5	7	6	4	4	5	5	3	3	4	6	4	3	4	3	4	4	4	4
MEAN	4	3	2	2	2	3	5	6	6	4	4	3	3	3	4	4	5	6	6	5	6	5	5	4	4.2

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 0.8

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA															MONTH - NOV 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	3	2	1	1	1	3	6	8	9	5	3	3	2	2	4	8	11	7	5	5	5	5	4	4
2	4	3	3	3	2	2	3	5	5	4	4	3	3	3	3	4	7	9	14	-	-	-	-	-	4
3	17	13	16	11	5	3	4	9	11	10	17	-	5	5	7	10	18	18	25	31	25	20	24	24	14
4	25	-	16	7	6	4	5	5	6	8	13	9	10	9	9	9	8	7	6	5	5	4	3	5	8
5	4	3	2	2	2	2	2	2	2	2	3	3	4	5	6	7	9	11	7	6	7	8	7	9	5
6	16	8	7	4	3	3	5	8	10	10	6	4	4	4	4	4	4	4	4	4	3	3	5	5	6
7	4	3	2	2	2	2	2	3	3	2	2	1	2	2	2	2	4	7	6	6	11	10	5	7	4
8	3	3	2	2	2	5	4	5	10	23	11	4	4	3	3	6	8	10	7	6	5	4	6	8	6
9	3	3	2	3	3	3	3	6	7	5	3	3	4	4	4	6	9	-	-	-	-	-	-	-	4
10	-	2	2	2	2	2	3	4	4	3	2	3	4	3	4	3	6	5	4	3	2	3	2	3	3
11	4	3	2	2	2	1	2	2	4	6	11	5	5	4	4	4	4	3	1	2	2	2	1	1	3
12	1	1	1	0	0	0	0	0	1	1	0	0	1	1	1	1	1	1	2	2	3	3	-	-	1
13	- DATA UNAVAILABLE -															- DATA UNAVAILABLE -									
14	- DATA UNAVAILABLE -															- DATA UNAVAILABLE -									
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	6	4	4	4	9	6	*****
16	5	4	3	3	3	3	4	8	17	-	4	3	2	3	2	4	7	18	53	39	40	30	8	16	12
17	11	7	5	6	5	8	19	15	15	11	8	8	8	9	9	7	8	7	6	6	6	6	6	5	8
18	4	4	2	2	3	3	3	4	4	4	4	4	2	2	2	3	2	2	2	2	3	3	2	3	3
19	8	9	6	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
20	1	2	2	1	0	0	2	2	2	3	3	2	2	2	2	2	4	5	4	6	4	4	4	4	3
21	4	3	2	2	2	2	4	5	4	3	3	1	4	5	5	6	7	9	10	13	11	34	34	14	8
22	10	10	11	16	11	10	10	14	11	14	12	10	8	9	8	9	14	14	16	10	8	9	7	7	11
23	6	6	6	6	8	11	12	15	14	10	9	9	11	11	8	6	5	5	5	5	5	4	5	5	8
24	5	4	5	6	6	6	4	5	5	3	3	4	4	4	5	6	5	5	5	5	5	4	3	3	5
25	2	2	2	2	2	1	2	2	2	2	2	2	2	2	3	2	3	3	3	2	3	4	5	6	3
26	6	7	7	8	9	8	8	7	6	7	7	8	10	9	9	9	11	14	14	12	11	11	13	11	9
27	8	7	8	6	6	6	8	10	11	8	8	-	-	-	-	3	3	3	4	3	3	3	3	3	6
28	3	3	3	3	2	2	3	4	5	6	6	4	4	4	5	5	8	8	8	7	7	6	10	11	5
29	42	49	45	31	21	14	9	9	8	8	8	7	8	10	13	25	25	30	23	23	19	19	11	12	20
30	12	12	11	12	12	12	14	17	15	-	-	-	10	10	10	10	11	12	11	13	18	16	-	-	13
MEAN	8	7	6	5	5	4	5	6	7	7	6	4	5	5	5	6	7	9	9	9	8	9	8	7	6.6

PERCENTAGE OF DATA VALID - 87.2 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 12.8

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA													MONTH - DEC 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1														- DATA UNAVAILABLE -											
2														- DATA UNAVAILABLE -											
3														- DATA UNAVAILABLE -											
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	4	4	4	4	4	4	4	4	3	*****
5	2	2	2	2	2	3	4	6	7	5	6	5	5	5	7	9	9	8	5	5	5	4	6	6	5
6	6	6	5	4	4	4	5	10	9	10	7	5	6	8	7	12	15	11	8	5	4	6	5	3	7
7	4	3	3	2	2	2	3	4	7	4	5	7	9	8	5	6	7	8	4	4	3	4	7	7	5
8	4	2	2	2	2	2	2	2	2	1	2	2	3	3	4	4	3	3	3	3	4	3	5	5	3
9	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	3	3	3	3	3	3	5	3	2
10	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2	3	3	3	3	3	3	5	3	2
11	7	6	7	5	7	7	7	7	7	8	13	19	33	34	30	26	23	19	36	38	16	13	15	16	17
12	29	16	9	4	4	4	5	7	7	8	8	7	9	15	16	19	19	20	20	11	6	6	6	6	11
13	6	3	3	2	2	2	4	6	10	7	9	12	8	7	8	11	10	6	4	3	2	1	1	1	5
14	1	1	1	1	1	1	1	2	2	1	****	3	3	3	3	7	10	20	23	22	16	11	10	7	
15	6	4	4	4	3	4	4	6	10	20	33	22	22	15	11	14	17	18	17	9	7	7	5	7	11
16	7	6	5	4	6	5	5	5	6	7	8	11	10	11	15	24	29	27	24	19	15	10	8	8	11
17	6	6	6	11	11	7	6	6	6	3	3	2	3	3	3	3	3	3	3	2	2	3	3	3	4
18	2	2	2	1	1	3	3	5	4	4	4	4	4	4	4	5	5	5	3	3	3	3	3	3	3
19	3	1	1	1	1	2	3	6	5	5	4	4	4	4	5	6	7	5	6	6	6	4	4	4	4
20	2	2	3	3	3	3	4	5	8	10	****	3	5	6	7	5	5	5	14	11	4	3	3	3	5
21	2	2	2	2	2	5	8	17	26	7	3	3	3	3	3	3	4	4	3	3	4	6	6	4	5
22	6	6	10	3	2	3	9	20	30	33	21	23	16	12	6	6	7	6	5	6	4	5	8	8	11
23	10	9	9	15	15	11	4	4	4	4	5	4	4	4	7	7	9	9	6	6	7	6	5	4	10
24	14	24	24	14	11	10	8	6	3	3	3	4	4	4	3	4	5	3	2	2	2	2	2	2	7
25	2	2	2	2	2	2	2	1	1	1	1	1	1	4	5	5	3	4	4	2	4	3	2	2	2
26	2	2	2	2	2	2	1	1	1	1	1	2	3	3	3	3	4	4	3	2	2	2	2	2	2
27	2	1	1	1	1	1	1	3	3	2	2	2	3	3	3	4	4	5	4	4	6	7	5	6	4
28	2	1	1	1	1	1	3	5	5	4	3	3	3	3	4	4	5	8	7	8	11	20	23	50	32
29	4	3	3	4	4	4	4	8	8	7	6	4	4	4	5	8	7	8	11	20	23	50	32	23	11
30	16	12	9	8	6	4	4	5	5	8	15	15	11	7	8	7	6	6	5	5	4	6	4	6	8
31	4	4	4	3	3	3	4	4	4	5	5	5	7	7	6	6	6	6	8	9	9	9	8	6	6
MEAN	6	5	5	4	4	4	4	6	7	7	7	7	7	7	7	8	9	8	8	8	6	7	6	6	6.3

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA UNAVAILABLE		
FEB		DATA UNAVAILABLE		
MAR		DATA UNAVAILABLE		
APR	18	2.7	4	12
MAY	31	3.6	7	19
JUN	30	2.0	4	13
JUL	31	2.0	5	11
AUG	31	2.0	4	12
SEP	30	3.3	10	31
OCT	31	4.2	8	19
NOV	27	6.6	20	53
DEC	27	6.3	17	50
YEAR	256	3.6	20	53

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN		DATA UNAVAILABLE						
FEB		DATA UNAVAILABLE						
MAR		DATA UNAVAILABLE						
APR	401	38	2	0	0	0	0	441
MAY	610	91	28	0	0	0	0	729
JUN	683	27	2	0	0	0	0	712
JUL	698	36	1	0	0	0	0	735
AUG	699	30	3	0	0	0	0	732
SEP	605	78	21	2	1	0	0	707
OCT	564	139	35	0	0	0	0	738
NOV	365	164	76	13	6	3	1	628
DEC	404	166	58	20	7	1	0	656
YEAR	5029	769	226	35	14	4	1	6078

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
92.1	0	0.3	1.1	1.9	3.4	7.0	9.7	14.7	19.0	53	3.6



## POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6	5	7	8	13	6	5	6	6	6	3	3	3	3	3	2	1	2	2	2	2	2	2	2	4
2	2	2	2	1	1	1	1	1	1	2	2	2	2	2	1	1	1	2	2	2	2	3	1	1	2
3	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	4	3	3	3	1	1	1	2	2
4	3	2	2	2	2	3	5	4	3	2	2	4	6	3	4	4	4	4	6	4	6	4	4	4	4
5	5	5	5	4	3	4	5	6	8	6	3	2	2	3	3	3	4	3	2	2	2	1	1	1	4
6	1	1	1	1	1	2	2	4	4	2	4	2	3	4	5	7	5	4	4	6	6	4	4	4	3
7	4	2	3	3	2	2	3	3	4	4	3	3	3	3	3	3	4	4	4	4	3	3	3	3	3
8	5	5	4	5	4	4	5	5	3	3	2	2	2	2	2	2	5	11	6	3	3	3	3	3	4
9	2	2	2	2	2	3	2	2	2	2	3	2	2	2	2	2	1	2	1	2	1	1	1	1	2
10	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	2	1	2	2	2	2	3	3	3	3	2	2	1	1	3	2	2
12	2	2	2	2	3	3	3	4	-	2	2	2	2	2	2	4	8	9	10	6	4	6	20	6	5
13	5	14	8	7	4	2	2	4	5	4	6	7	10	12	10	10	10	9	7	4	3	2	3	3	6
14	2	1	1	1	1	0	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1
15	1	1	1	1	2	1	1	2	1	2	2	2	2	2	1	1	3	1	1	2	3	2	1	1	2
16	3	2	2	1	1	1	1	2	2	3	2	2	2	2	2	2	3	5	9	24	25	14	7	7	5
17	11	7	9	18	26	32	27	30	35	15	9	9	5	5	5	8	7	16	17	15	16	11	6	4	14
18	4	3	3	3	2	2	2	2	2	2	2	1	2	2	2	3	4	4	4	5	7	7	9	3	3
19	4	4	5	4	4	3	4	9	9	6	4	5	4	4	4	4	6	7	10	16	24	14	22	8	8
20	9	5	6	5	3	2	3	3	6	5	4	4	4	4	4	4	4	3	3	3	3	1	1	1	4
21	1	1	1	1	1	1	1	3	3	2	3	2	2	2	3	5	4	4	4	5	4	3	3	3	3
22	3	2	1	1	1	1	1	1	1	1	2	2	2	3	2	2	2	1	3	3	2	2	3	2	2
23	2	1	3	3	2	1	1	3	3	3	2	5	4	3	3	3	3	3	3	3	2	2	2	1	3
24	1	2	2	2	2	2	3	3	-	-	-	-	-	2	3	3	5	5	4	11	16	4	3	4	6
25	3	3	3	3	1	2	4	6	13	11	8	6	6	6	8	8	7	7	12	6	7	5	6	4	6
26	4	3	3	3	3	1	3	3	3	3	4	5	3	3	3	3	3	2	2	1	1	1	1	1	3
27	1	1	0	0	0	0	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	2	2	1	3	2	2	2	2	2
29	1	3	2	1	1	1	1	1	1	1	1	1	1	1	2	1	2	1	1	1	1	1	1	1	2
30	2	1	1	1	1	1	1	2	2	-	1	2	2	2	2	2	3	2	1	2	2	1	1	1	2
31	1	1	1	1	1	1	2	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****
MEAN	3	3	3	3	3	3	3	4	5	4	3	3	3	3	3	3	4	4	4	4	4	4	4	3	3.4

PERCENTAGE OF DATA VALID - 96.9

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 3.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL

MONTH - FEB 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	11	7	4	2	3	3	5	7	6	3	2	1	0	1	2	3	4	5	5	7	6	9	8	8	5
4	19	10	6	4	4	4	3	4	5	5	4	6	2	2	2	3	4	5	6	4	3	5	5	4	5
5	3	3	2	2	3	9	17	20	5	4	3	2	3	3	3	4	4	5	5	4	4	4	3	3	5
6	8	5	4	3	2	3	3	3	4	4	5	4	4	3	3	3	3	3	3	2	2	1	1	1	3
7	0	0	0	2	1	1	0	0	1	1	1	1	1	1	1	1	2	1	1	2	1	1	1	1	1
8	1	2	1	2	5	12	18	18	9	3	2	2	2	2	4	3	5	5	5	5	3	2	3	3	5
9	3	3	3	2	2	1	1	3	4	3	3	4	3	3	2	5	5	5	5	4	4	5	8	10	4
10	12	7	7	4	8	12	17	9	4	3	4	3	2	2	2	4	4	4	4	4	3	3	3	3	5
11	1	1	1	1	2	2	1	1	2	3	2	2	3	3	3	2	2	3	3	4	4	4	3	1	2
12	2	3	2	1	1	1	2	2	1	1	1	2	2	2	2	2	2	1	3	2	2	3	3	1	2
13	1	1	1	1	1	1	1	3	-	-	-	-	2	2	2	3	3	5	6	9	10	9	7	26	6
14	21	10	6	4	3	3	2	3	4	3	4	5	7	4	4	4	4	10	22	29	19	13	10	4	8
15	2	2	2	3	2	2	12	10	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	6
16	2	4	4	25	42	41	31	38	31	12	12	8	8	3	3	5	7	13	8	12	7	6	9	8	14
17	9	7	17	18	8	5	7	14	16	16	15	8	8	3	3	2	3	3	3	1	1	1	1	1	7
18	1	1	1	1	1	1	1	2	2	2	2	3	2	2	2	2	2	2	3	3	1	1	2	4	2
19	2	1	1	1	1	2	2	2	1	1	1	2	2	2	2	2	5	4	4	3	3	2	2	2	3
20	2	1	1	2	2	3	2	3	2	-	5	4	2	2	2	2	2	2	3	2	1	2	3	3	2
21	2	2	2	2	3	3	2	4	5	3	3	2	2	2	2	2	2	2	2	2	1	2	3	3	2
22	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	2	3	1	2
23	1	1	1	1	1	1	3	3	1	1	1	2	2	2	2	1	3	3	2	2	3	2	2	2	2
24	3	2	2	2	1	1	2	2	4	3	3	3	3	3	4	3	3	3	2	3	3	4	4	4	3
25	5	5	4	3	3	4	5	4	4	3	3	2	1	2	2	2	2	2	2	1	1	1	1	1	3
26	2	2	2	2	2	1	1	1	2	2	2	2	1	2	2	2	2	2	3	3	3	1	1	1	2
27	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	5	4	6	13	22	15	9
28	2	2	5	5	7	7	9	10	7	-	-	2	2	2	2	2	2	2	5	4	6	13	22	15	9
MEAN	5	3	3	4	4	5	5	7	6	4	3	3	3	3	2	2	3	3	4	5	6	4	4	5	4

PERCENTAGE OF DATA VALID - 93.8

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 6.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST.. CORNWALL															MONTH - MAY 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	1	1	1	1	1	0	2	1	2	2	2	2	1	0	0	1	1	1	1
2	0	0	0	1	0	1	0	0	2	0	1	1	1	1	2	1	1	1	1	2	1	1	2	1	1
3	0	0	0	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	2	1	2	1
4	2	1	1	1	1	3	2	1	0	1	1	0	0	1	1	1	1	1	2	3	3	2	2	2	1
5	2	3	4	4	5	4	3	3	3	3	3	2	1	1	1	1	2	1	2	2	2	2	2	1	2
6	1	1	1	1	2	1	1	1	1	0	1	2	0	2	2	2	2	1	2	2	1	1	1	1	1
7	1	1	1	1	1	1	1	2	2	2	2	0	2	0	2	0	0	0	1	3	4	5	3	1	2
8	1	1	0	0	1	1	1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	0	1
10	1	1	1	1	1	1	1	2	3	3	3	3	2	1	1	2	1	1	1	1	3	2	2	4	2
11	3	1	1	1	1	1	2	1	1	1	1	1	1	1	2	2	1	1	2	2	4	2	1	1	1
12	2	2	2	1	1	3	3	5	2	2	3	1	3	3	2	3	2	3	4	5	3	2	1	2	3
13	1	2	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	2	5	5	3	2
14	4	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	1	1	1	0	1	1
15	0	0	0	0	0	0	0	1	-	1	1	1	2	2	2	2	2	2	1	1	1	1	0	0	1
16	0	0	0	0	0	1	2	2	2	2	1	-	-	-	1	1	1	1	1	1	1	0	0	1	1
17	0	0	1	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1
18	2	1	1	1	1	1	3	2	1	1	1	0	1	0	0	0	0	0	0	0	0	1	1	1	1
19	0	0	0	0	0	0	0	0	0	2	1	1	2	3	1	1	2	2	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	0	0	0	1	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	-	-	3	1	0	0	0	0	0	0	1	1	1	1	1	1	0	0
24	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	2	3	4	2	2	2	1	0	0	0	0	0	0	0	0	0	0	2	0	0	1
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	-	0	0	0	0	0	2	1	1	0	0	1	1	0	0	0	0
31	0	1	1	1	1	2	2	1	0	0	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 98.9 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 1.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST.. CORNWALL															MONTH - JUN 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
2	0	1	0	0	2	2	2	2	1	1	1	1	1	2	1	2	1	1	1	1	1	1	1	1	1
3	1	1	0	1	1	0	0	0	1	1	0	1	1	1	0	2	1	1	1	1	1	1	1	0	0
4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	1	1	1	1	1	1
5	0	0	0	0	0	0	2	3	1	1	2	2	1	1	1	1	1	1	1	1	1	0	1	0	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	0	0	0	0	1	1	1	1
7	0	1	1	0	0	1	1	1	2	1	1	1	1	1	1	2	2	1	1	0	0	0	0	0	1
8	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	2	1	1	0	0	0	0	0	1
9	0	0	0	0	0	0	0	1	1	1	1	0	1	1	1	1	2	1	1	1	1	1	1	1	1
10	1	1	1	1	0	0	1	0	0	0	0	1	1	1	0	1	1	0	1	1	1	1	1	1	1
11	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
13	0	0	0	0	0	0	0	0	1	2	2	2	1	2	2	2	1	0	1	1	0	0	0	1	1
14	0	0	0	0	0	0	-	-	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	0	0	1	0	0	1	0	0	1	1	1	1	1	1	1	2	2	3	3	1
16	1	1	1	1	1	1	1	1	1	0	0	0	0	1	0	0	0	1	2	4	4	2	1	1	1
17	1	1	1	0	1	0	0	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1
18	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	1	0	1	1	1	1	1	0
19	0	1	1	0	0	1	1	1	0	1	1	0	0	0	1	2	1	0	1	1	1	0	0	1	1
20	1	0	1	0	0	1	1	1	1	1	1	0	0	-	0	2	3	2	2	1	1	1	1	2	1
21	2	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0
22	0	0	0	0	0	0	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	2	1	1	1	1	2	1	1	0	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1
26	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
27	0	0	0	0	0	0	0	1	1	1	1	1	0	1	0	0	0	0	0	1	0	0	0	0	0
28	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	0	1	1	1	1	1	0	0	0	0	1	1	1	1	0	1	1	5	3	2	2	1	1
MEAN	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7

PERCENTAGE OF DATA VALID - 99.0 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 1.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL															MONTH - JUL 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1	0
2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0
3	0	0	2	5	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1
4	0	0	0	0	0	1	1	1	-	0	0	0	0	0	0	0	0	0	0	1	1	3	2	2	1
5	4	0	0	0	0	0	0	1	1	1	1	1	0	0	1	2	2	1	0	0	1	1	0	0	1
6	0	0	0	0	0	0	1	1	1	1	1	1	1	0	1	2	2	1	0	0	1	1	0	0	1
7	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	0	0	1
8	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1
9	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	0	0	0	0	0	0	1	1	1	1	2	2	1	1	1	1	0	0	0	0	0	1	1	0	1
11	1	0	0	0	0	0	0	0	0	0	0	0	0	-	-	2	0	0	1	1	2	1	1	1	0
12	1	1	1	1	1	1	0	1	1	3	2	2	2	0	0	0	0	1	1	1	1	1	1	0	1
13	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0
14	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	1	1	1	0	0	0	0
15	5	1	4	2	1	0	0	0	0	1	1	1	0	0	0	0	0	0	1	1	3	3	3	2	1
16	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
17	1	1	1	1	1	1	1	2	2	1	1	1	1	-	-	1	1	1	2	3	3	3	3	2	2
18	2	2	2	2	2	2	3	4	3	2	2	2	2	3	3	3	4	3	3	3	3	3	3	3	3
19	3	2	2	2	2	3	4	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3	3	3	3
20	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	2	2	2	1	1	1	1	1	1
21	1	1	1	1	1	1	2	1	1	1	2	1	1	1	1	1	2	2	2	2	2	2	2	2	1
22	1	1	1	1	2	1	1	1	2	2	1	2	2	1	1	1	1	1	1	1	2	2	2	2	1
23	2	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	1	1	1	1	0	0	0	-
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	2	1	1	1	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0
30	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	2	-	-	-	-	0
31	-	-	-	-	-	-	-	-	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 93.0 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 7.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. - - INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL															MONTH - AUG 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3	3	2	2	2
2	1	1	1	1	1	2	1	1	1	1	1	1	1	2	2	2	2	3	3	4	3	2	2	1	2
3	1	1	1	1	1	1	1	2	-	2	2	2	1	3	2	1	1	2	1	1	1	0	0	1	1
4	1	1	1	1	1	1	1	1	1	2	1	1	2	2	2	3	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
6	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1
8	1	1	1	1	1	2	2	1	1	1	2	3	2	2	2	2	1	1	1	2	2	1	1	1	1
9	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	0	0	0	1	1
10	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
11	1	1	0	0	0	1	1	1	1	0	0	0	0	0	0	-	1	1	1	1	3	3	7	2	1
12	2	1	0	6	5	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	1	1	1	1	1	1	2	2	1	1	0	0	0	0	0	0	0	0	1	2	1	0	1
15	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
16	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
17	1	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	1	0	0	0	0	0	2	0	0	1	0	0	0	0	1	1	0	0	0	1
19	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	2	1	2	2	2	1
21	1	0	0	1	1	2	1	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	0	0	1	1	1	0	0
24	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	0	0	0
25	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	2	1	1	0	0	0
26	3	1	0	0	0	1	0	-	1	1	0	0	0	0	0	0	0	0	0	1	2	4	4	5	1
27	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	0	0	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	0.6

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 0.4

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. - - INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY





MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	30	3.4	14	35
FEB	26	4.1	14	42
MAR	31	2.3	7	23
APR	30	1.9	5	23
MAY	31	0.9	3	5
JUN	30	0.7	1	5
JUL	29	0.8	3	5
AUG	31	0.6	2	7
SEP	30	1.2	5	30
OCT	31	1.8	7	28
NOV	30	4.0	15	79
DEC	31	2.7	8	21
YEAR	360	2.0	15	79

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	621	70	21	7	2	0	0	721
FEB	530	59	27	9	3	2	0	630
MAR	696	36	7	2	0	0	0	741
APR	679	23	9	3	0	0	0	714
MAY	736	0	0	0	0	0	0	736
JUN	713	0	0	0	0	0	0	713
JUL	692	0	0	0	0	0	0	692
AUG	739	2	0	0	0	0	0	741
SEP	690	19	1	3	0	0	0	713
OCT	696	22	19	2	0	0	0	739
NOV	598	60	40	8	1	3	3	713
DEC	668	60	12	1	0	0	0	741
YEAR	8058	351	136	35	6	5	3	8594

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
98.1	0	0.0	0.2	0.8	1.6	3.7	6.0	10.4	15.5	79	2.0

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - NE NO 77016 ASH ST WATER TANK, SUDBURY															MONTH - JAN 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	3	3	3	2	1	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	1	1	1	1	1	1	2	3	7	14	9	8	4	4	4	4	4	4	4	4	4	5	3	4	4
3	3	3	2	2	2	2	2	2	2	2	-	2	2	2	2	3	6	7	11	5	3	5	5	8	4
4	31	32	23	11	5	3	3	3	4	6	6	7	7	5	7	8	7	5	3	3	2	2	2	3	8
5	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	2	1	1	2	2	3	2
6	1	1	1	1	1	1	1	2	2	3	3	-	2	2	2	2	2	3	3	3	3	2	1	1	2
7	1	1	1	1	1	1	1	1	1	2	3	3	3	3	3	4	4	4	3	3	3	3	3	4	3
8	3	4	4	3	3	3	3	3	3	4	4	4	3	3	2	1	2	2	1	1	1	1	1	1	3
9	1	1	1	0	0	2	1	1	0	0	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	1	1	1	1	0	0	0	0	0	0
11	1	1	1	1	1	1	1	2	2	3	-	2	2	2	2	2	3	7	12	9	7	5	3	3	3
12	3	3	2	3	1	1	1	4	7	3	4	4	2	2	2	2	3	4	8	9	6	3	4	5	6
13	5	4	3	3	3	2	2	2	3	3	2	2	2	2	2	2	3	3	3	3	3	2	1	2	3
14	1	1	0	1	1	1	0	0	0	0	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1
15	1	1	1	0	1	1	0	0	2	2	1	1	2	1	2	3	5	6	1	3	2	2	2	2	2
16	2	2	2	2	2	2	2	3	3	3	2	2	-	2	-	6	14	20	17	6	4	5	3	3	5
17	4	3	3	3	4	4	5	17	13	19	17	9	8	5	7	6	7	13	9	7	6	5	5	5	8
18	5	3	3	3	2	2	3	4	6	4	3	2	-	2	2	4	7	10	13	17	13	8	4	3	5
19	4	8	21	17	11	7	5	6	11	11	4	3	3	2	4	3	4	5	3	2	2	2	1	1	6
20	1	1	1	1	1	1	1	3	2	1	-	1	1	2	1	2	2	1	2	1	1	1	1	1	1
21	1	1	1	-	-	1	1	1	1	1	2	2	2	2	2	1	4	6	11	7	5	4	3	3	3
22	3	2	3	2	3	4	4	3	5	4	3	2	2	1	1	1	1	1	2	2	2	1	1	1	2
23	1	1	1	1	1	1	1	1	2	2	2	-	1	1	1	1	2	2	1	1	1	2	1	1	1
24	1	1	1	1	1	1	1	1	2	2	1	2	3	3	3	5	4	4	3	2	2	2	2	2	2
25	2	1	2	1	1	1	1	4	6	3	2	-	5	5	5	4	4	3	2	1	2	2	1	1	3
26	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	2	2	1
27	1	1	1	1	1	1	1	1	1	1	1	1	-	0	1	0	1	1	1	0	1	1	1	1	1
28	0	0	0	1	0	1	1	0	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1
29	1	1	1	1	1	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
30	1	1	1	1	1	1	1	2	3	4	2	1	-	2	2	5	7	10	12	14	16	25	32	30	8
31	31	26	23	13	8	6	5	11	17	14	8	9	7	3	3	3	3	2	2	2	2	2	2	2	9
MEAN	4	4	4	3	2	2	2	3	4	4	3	3	3	2	2	3	4	4	4	4	3	3	3	3	3.0

PERCENTAGE OF DATA VALID - 98.3 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 1.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*- indicates data is unavailable

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

	POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT											UNITS - 0.01 PARTS/MILLION													
	STATION - NE NO 77016					ASH ST WATER TANK, SUDBURY					MONTH - FEB 78														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	0	3	3	3	3	2	-	2	2	2	4	8	11	15	21	20	23	20	12	7
2	3	9	7	3	3	3	3	6	8	5	4	4	5	10	13	11	13	16	20	28	19	13	14	8	10
3	4	12	8	5	2	1	1	2	3	3	2	2	-	2	2	2	3	3	5	15	8	15	14	9	10
4	5	3	3	3	2	2	2	6	6	9	11	17	14	8	7	5	4	5	5	6	7	4	2	2	4
5	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	1	1	1	1	2
6	7	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	2	1	1	1	1	1	1	1
7	8	2	1	1	1	1	1	2	2	2	-	3	3	3	3	3	4	3	3	3	2	2	2	3	2
8	9	3	2	2	2	1	1	1	2	2	3	6	3	2	2	3	3	4	3	2	3	3	4	6	3
9	10	5	8	7	5	5	4	3	8	9	10	-	-	5	3	3	3	4	7	12	14	19	25	21	7
10	11	7	5	3	4	3	3	2	3	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	3
11	12	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
12	13	1	2	2	2	1	2	3	3	2	-	-	-	2	2	2	2	3	4	3	4	3	3	3	3
13	14	4	4	4	5	3	1	1	2	4	6	4	6	4	3	3	3	5	4	4	4	5	8	7	4
14	15	10	6	8	4	4	6	4	7	11	6	7	3	-	3	5	6	7	6	4	4	5	4	4	6
15	16	4	4	4	3	4	3	4	5	6	3	3	3	3	3	3	3	4	3	3	4	3	4	4	4
16	17	4	4	4	3	2	2	2	3	3	3	-	3	2	2	2	2	2	3	3	3	3	3	3	3
17	18	3	3	3	2	2	2	2	1	1	5	9	2	1	1	1	1	2	4	4	4	4	1	1	3
18	19	1	2	1	1	1	2	2	2	2	2	2	2	2	2	2	6	3	10	14	17	17	15	27	6
19	20	24	22	17	18	13	12	7	12	19	27	21	-	20	20	12	5	5	6	11	21	20	19	9	4
20	21	4	3	3	3	2	3	2	1	2	-	-	-	2	2	2	3	3	3	4	2	2	2	2	3
21	22	1	1	1	1	1	0	1	1	1	1	-	1	1	1	1	2	5	3	1	1	1	1	1	1
22	23	1	1	1	1	1	1	1	2	3	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1
23	24	1	1	1	1	1	1	1	3	2	1	1	1	-	3	3	3	4	5	5	7	9	5	5	3
24	25	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	3	6	2	1	1	2
25	26	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
26	27	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****
27	28																								
MEAN	4	4	3	3	3	2	2	3	4	4	4	3	3	3	3	3	4	4	6	7	6	6	5	5	3.9

PERCENTAGE OF DATA VALID - 91.4 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 8.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*- indicates data is unavailable

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - NE NO 77016 ASH ST WATER TANK, SUDBURY															MONTH - MAR 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14	3	2	2	2	1	1	2	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	2	2	1	-	-	1	1	2	3	3	4	6	8	7	8	6	8	3
16	6	6	4	3	2	3	4	4	5	3	3	3	1	1	1	1	2	2	5	8	8	6	5	5	4
17	3	4	2	2	2	4	4	6	7	5	4	-	3	3	2	2	1	1	2	1	1	1	1	1	1
18	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	2	2	1
20	1	2	2	6	9	11	5	9	9	7	-	2	2	2	2	3	3	2	3	4	4	5	4	4	4
21	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	2	2	5	7	6	4	4	3	3	-	3	5	4	3	4	2	2	1	1	3
23	1	1	1	0	0	0	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0	1	0	1	1
24	0	0	1	0	0	0	0	0	0	0	0	0	1	1	2	2	1	1	4	4	5	2	1	2	1
25	2	1	1	1	2	1	4	3	2	3	5	3	3	2	1	1	2	2	3	8	11	9	8	6	4
26	4	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	2	2	2	2	1	1	1
28	0	1	0	0	0	1	1	2	2	2	2	-	1	1	2	2	1	1	1	1	1	1	1	1	1
29	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	3	1
30	4	3	1	1	2	2	5	7	5	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2
31	1	1	1	1	1	4	3	3	2	2	2	-	3	5	4	4	6	4	4	4	3	3	3	3	3
MEAN	2	2	1	1	1	2	2	3	3	2	2	1	1	2	2	2	2	2	2	3	3	3	2	2	2.0

PERCENTAGE OF DATA VALID - 58.5 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 41.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77016 ASH ST WATER TANK, SUDBURY															MONTH - APR 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN			
1	1	1	1	1	1	1	1	2	1	1	1	0	1	0	0	1	1	0	1	1	1	1	1	0	0			
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	1	0			
3	1	0	0	0	0	0	1	1	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****			
4	-	-	-	-	-	-	-	-	-	0	0	- DATA UNAVAILABLE -																
5	-	-	-	-	-	-	-	-	-	0	1	-	-	-	-	2	2	2	2	2	2	2	3	3	*****			
6	2	1	1	2	3	1	2	2	2	2	2	2	2	2	3	3	5	5	5	5	4	2	2	2	3			
7	4	2	2	2	2	2	2	2	2	2	2	-	1	1	1	0	0	0	0	0	0	0	0	0	1			
8	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	1	2	1	1			
9	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	2	2	2	2	1	1			
10	1	1	1	1	1	1	1	1	2	2	3	-	3	3	3	4	4	2	1	1	1	1	1	2	2			
11	1	1	1	1	1	2	4	6	6	4	2	1	1	1	2	2	1	2	2	1	1	1	1	1	2			
12	0	0	0	0	0	0	0	0	0	0	0	0	0	1	-	-	-	-	-	-	-	-	-	-	*****			
13	- DATA UNAVAILABLE -														-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	- DATA UNAVAILABLE -														-	-	-	-	-	-	-	-	-	-	-	-	-	
15	- DATA UNAVAILABLE -														-	-	-	-	-	-	-	-	-	-	-	-	-	
16	- DATA UNAVAILABLE -														-	-	-	-	-	-	-	-	-	-	-	-	-	
17	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0	2	5	6	11	5	3	*****			
18	4	4	5	3	2	2	2	3	3	1	1	-	1	1	1	1	3	2	2	2	2	2	2	2	2			
19	1	1	1	0	1	1	1	3	3	2	2	2	2	2	-	3	3	3	2	2	1	1	1	1	1			
20	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1			
21	1	0	0	0	0	1	0	1	1	1	0	-	1	1	0	0	1	1	2	2	2	2	2	2	1			
22	1	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	4	3	3	2	2	2			
23	2	2	4	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	4	4	4	3	3	3			
24	2	2	2	2	2	2	2	2	2	2	1	2	2	2	-	2	2	2	2	2	2	2	2	2	2			
25	2	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	2			
26	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	6	8	4	3			
27	3	3	3	2	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	3	3	4	4	3	3			
28	3	3	2	2	3	2	2	3	3	2	3	2	-	2	2	2	2	2	2	2	2	2	1	2	2			
29	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2			
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
MEAN	2	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1.6			

PERCENTAGE OF DATA VALID - 76.0 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 24.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - NE NO 77016															ASH ST WATER TANK, SUDBURY										
MONTH - MAY 78																									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	1	0	0	0	-	0	0	0	1	0	1	1	1	1	0	
2	0	0	1	1	1	0	2	1	1	0	1	2	2	2	1	1	2	1	1	2	1	1	1	1	
3	1	1	1	2	2	2	2	2	2	1	1	1	1	1	-	0	1	1	1	1	1	2	2	1	
4	1	1	2	1	1	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
5	1	1	1	1	1	1	2	2	2	2	-	1	1	1	0	1	1	1	1	2	1	2	2	1	
6	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
7	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	2	2	4	3	2	
8	1	1	1	1	1	1	1	3	3	2	2	2	2	2	3	3	3	3	3	4	3	3	2	2	
9	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	
10	0	1	0	0	0	0	0	0	0	0	-	-	0	0	0	0	0	1	1	1	1	1	1	1	0
11	1	1	1	3	5	3	2	2	3	3	2	1	1	1	1	2	2	1	2	2	2	2	2	1	2
12	1	1	1	1	1	1	2	4	4	-	3	3	4	4	4	3	3	3	3	3	3	1	1	1	2
13	1	1	1	1	1	1	2	3	4	3	3	2	2	2	3	4	3	1	1	1	1	1	1	1	2
14	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	2	1	1	-	1	1	1	1	1	1	2	1	1	2	3	3	1
16	1	1	1	1	1	2	1	2	-	-	-	1	1	1	1	1	1	1	1	1	2	1	1	1	1
17	1	1	0	1	1	1	1	1	1	0	0	1	1	1	1	1	2	1	3	2	2	1	2	3	1
18	1	1	1	1	3	2	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	2	2	1	1	2	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
20	1	1	2	2	1	1	1	1	1	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
22	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	1	1	1	1	1	1	0
23	0	0	0	1	1	3	3	3	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-	*****
24	- DATA UNAVAILABLE -																								
25	- DATA UNAVAILABLE -																								
26	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0	0	0	1	0	*****
27	1	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
28	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
29	0	1	2	1	1	2	2	2	0	0	0	0	0	-	1	1	1	1	1	1	3	6	4	3	1
30	1	2	3	2	3	4	3	3	2	1	1	2	1	1	1	1	-	-	-	-	-	-	-	-	2
31	- DATA UNAVAILABLE -																								
MEAN	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 84.7

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 15.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - NE NO 77016															ASH ST WATER TANK, SUDBURY										
MONTH - JUN 78																									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	3	1	1	1	1	1	*****
2	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	1	1	2	1	0
6	0	0	0	0	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1
7	1	1	1	1	1	2	2	2	2	1	1	1	2	1	1	1	1	2	1	2	1	2	1	1	1
8	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	5	7	7	1	2
9	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1	1	1	1	2	2	3	3	1
10	3	10	12	8	6	3	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	1	1	1	3
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	1
12	3	2	1	1	2	1	2	2	1	2	1	2	1	-	1	1	1	1	1	1	1	1	1	1	1
13	0	1	1	1	1	1	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1
16	1	1	1	1	1	2	2	3	2	2	-	6	4	2	3	3	3	2	3	2	2	2	2	2	2
17	2	2	2	2	2	3	3	3	2	1	1	1	3	3	2	2	2	2	2	1	1	2	2	2	2
18	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	0	1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
20	1	1	1	1	1	3	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
21	2	1	1	1	4	2	2	2	2	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	0
22	0	0	0	0	0	1	1	1	0	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	1	-	1	0	0	0	0	0	0	0	1	2	4	1	1	0
24	1	1	1	1	1	0	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1
26	1	1	1	1	1	1	2	2	2	1	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
28	1	1	1	1	1	1	1	1	1	0	1	0	-	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1
30	1	1	1	1	0	1	1	1	1	1	-	1	1	1	1	1	1	1	1	1	2	3	3	2	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1



POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - NE NO 77016 ASH ST WATER TANK, SUDBURY													MONTH - SEP 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	3	5	6	4	2	-	1	1	1	1	1	1	1	2	1	1	1	1	1	2
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
5	1	1	1	1	1	2	2	2	2	1	2	2	2	2	-	2	2	2	2	2	1	1	1	1	2
6	1	1	1	1	1	1	2	1	2	1	2	1	1	2	2	2	2	2	3	5	5	5	3	4	2
7	0	0	0	0	0	1	1	2	2	2	1	1	2	2	3	3	3	3	1	1	1	1	1	1	2
8	3	3	3	1	1	2	5	8	4	3	-	2	1	1	1	1	1	1	1	1	1	1	1	1	2
9	1	1	1	1	1	1	1	1	1	2	1	1	1	2	1	3	3	4	4	3	3	3	3	1	2
10	2	2	1	1	1	1	1	1	2	2	2	2	3	3	2	3	1	3	3	3	2	4	4	3	2
11	1	1	2	1	1	2	2	4	7	3	6	5	4	2	1	1	1	1	1	1	0	0	0	0	2
12	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	1	3	3	3	1	1	1	1	1
13	1	1	1	1	1	1	1	2	2	2	2	2	2	-	-	2	2	3	3	3	3	2	1	2	2
14	1	1	1	1	1	1	2	4	3	3	3	3	3	4	4	5	3	3	2	2	2	1	1	2	2
15	1	1	1	1	1	1	2	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	0	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	1	1
18	2	-	1	1	1	1	3	5	3	4	-	4	2	2	2	1	1	1	1	1	0	1	0	2	2
19	1	1	1	1	1	1	4	5	3	3	2	3	3	2	2	2	2	2	3	3	1	1	1	1	2
20	1	1	1	1	1	3	5	-	-	5	4	4	4	6	7	6	5	3	3	3	2	1	1	1	3
21	1	1	1	1	1	1	1	2	2	1	1	1	2	1	1	1	1	1	1	1	1	2	1	1	1
22	1	1	1	1	1	1	2	4	2	2	-	2	1	1	1	1	1	2	2	3	2	1	2	1	2
23	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	1	1
24	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	-	-	1	1	1	1	1	1	2	2	4	2	3	1	1
26	1	2	2	1	1	3	5	4	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2
27	1	1	1	1	1	1	1	1	1	1	-	2	2	2	2	1	1	2	2	2	2	2	2	1	2
28	2	2	2	2	2	1	2	2	3	2	2	2	1	1	1	1	1	2	3	1	2	1	1	1	2
29	1	1	1	1	1	1	1	3	6	-	3	1	2	1	3	4	5	4	3	3	2	2	2	2	2
30	3	2	1	1	1	1	3	3	2	4	5	5	6	6	4	5	5	4	6	5	3	3	2	1	3
MEAN	1	1	1	1	1	1	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1.7	

PERCENTAGE OF DATA VALID - 98.1

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 1.9

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - NE NO 77016 ASH ST WATER TANK, SUDBURY													MONTH - OCT 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	3	6	6	3	2	2	-	-	2	2	2	3	2	2	4	4	5	5	3
3	3	1	1	1	1	2	4	5	5	4	4	4	3	3	3	3	3	2	2	1	2	3	1	3	3
4	1	1	1	1	1	1	1	1	-	1	1	1	1	2	2	1	1	1	1	1	3	2	3	2	1
5	1	1	1	1	1	3	5	10	5	5	3	3	3	4	5	4	4	3	2	3	1	2	2	2	3
6	2	2	1	2	2	2	3	8	5	4	2	3	-	0	0	0	0	0	0	0	1	0	0	0	2
7	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	5	2	2	2	2	3	4	3	2	1	1	0	0	0	0	1	0	0	2	5	5	4	4	3	1
10	1	1	1	1	1	2	5	7	5	2	1	-	2	2	2	2	3	4	5	4	3	3	6	4	3
11	3	2	2	2	1	6	6	9	3	3	3	1	1	1	1	1	2	2	2	2	1	1	1	1	2
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1
13	0	0	0	0	0	0	1	2	1	1	1	-	1	0	0	0	0	2	3	6	6	6	3	2	2
14	2	2	1	0	0	0	0	1	2	2	2	1	0	1	0	0	0	1	1	1	1	1	2	2	1
15	2	2	3	3	3	5	3	4	2	2	2	0	0	0	0	0	1	3	4	3	3	3	4	3	2
16	2	1	1	1	1	1	3	7	7	2	-	2	0	0	0	0	1	2	3	3	7	9	7	6	3
17	5	3	2	1	1	1	3	9	5	4	2	1	1	1	1	1	1	1	1	2	2	2	1	1	2
18	1	1	1	1	1	1	3	4	3	3	3	2	2	1	1	1	0	0	0	0	2	0	0	1	1
19	1	1	1	2	1	1	3	6	-	-	-	5	5	5	5	5	6	5	4	3	3	2	1	1	3
20	0	0	0	0	1	3	5	2	2	2	1	1	0	0	0	1	1	1	1	2	3	1	3	4	1
21	7	5	3	2	2	5	8	11	13	16	5	3	2	2	2	1	1	2	3	4	11	9	7	7	5
22	8	6	4	2	2	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1
23	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
24	1	1	1	2	3	5	8	8	4	4	4	5	2	2	1	2	1	1	1	2	2	1	1	1	3
25	1	1	1	1	1	1	1	1	1	1	1	-	2	3	2	2	2	2	1	1	1	1	1	0	1
26	0	0	0	0	0	0	1	2	2	2	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1
27	3	1	1	0	0	1	1	3	4	2	2	2	2	2	2	2	3	1	2	7	8	6	3	1	2
28	1	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	1	1	0
29	1	1	1	1	0	1	1	1	1	1	1	1	0	0	1	1	2	3	3	3	4	6	6	5	2
30	3	3	3	3	3	2	2	3	2	2	2	-	2	2	2	2	2	3	3	3	3	3	2	3	3
31	2	1	1	1	1	1	2	1	1	0	0	0	0	0	1	0	0	1	1	2	3	4	4	3	1
MEAN	2	1	1	1	1	2	3	4	3	2	2	1	1	1	1	1	1	2	2	2	3	3	2	2	1.9

PERCENTAGE OF DATA VALID - 98.4

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - NE NO 77016 ASH ST WATER TANK. SUDBURY															MONTH - NOV 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	2	2	1	1	1	1	4	4	4	2	1	1	-	1	1	1	1	1	2	1	1	1	1	2
2	1	1	1	1	1	1	1	3	3	1	1	1	1	1	1	1	1	-	-	-	-	-	-	-	1
3	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	3	2	3	4	3	3	6	4	4	.....
4	3	3	3	2	2	2	2	2	2	1	1	1	1	1	1	1	2	3	4	2	2	2	2	3	2
5	3	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2
6	1	1	1	0	1	1	1	1	1	3	2	1	1	1	1	-	1	1	1	0	0	0	0	0	1
7	2	0	0	0	0	1	1	2	2	-	-	1	2	1	1	1	3	3	4	3	3	3	4	4	2
8	1	1	1	1	1	1	1	2	2	-	-	1	1	1	1	1	3	3	3	3	3	3	2	2	2
9	1	1	1	1	1	1	1	3	5	4	-	2	2	2	2	1	2	2	3	2	2	2	2	2	2
10	1	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1
11	3	2	1	1	1	1	1	1	1	1	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1
12	0	0	0	0	1	1	1	1	0	0	0	1	1	1	2	2	2	3	3	3	3	3	2	2	1
13	3	1	1	1	1	1	1	2	3	2	2	2	3	3	2	1	2	3	3	3	4	4	3	2	2
14	2	2	1	1	1	1	1	2	2	2	1	-	1	1	1	1	1	1	0	0	0	0	1	1	1
15	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	3	3	3	2	1	1	1	1
16	1	0	1	1	0	0	1	1	2	2	1	0	1	1	1	1	1	5	11	10	9	6	5	4	3
17	3	3	1	1	1	1	1	2	2	3	4	4	5	4	5	4	6	7	8	4	3	2	3	3	3
18	3	3	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	2	3	2	3	2	2	1
19	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	1	1	1	1	1	-	-	1	1	0	1	1	1	1	1	1	1	0	1
21	2	2	3	3	5	4	3	4	5	4	3	2	2	2	2	2	3	4	4	3	4	3	3	3	3
22	3	3	3	3	3	3	3	8	14	17	10	5	2	2	3	4	6	5	5	3	3	3	3	3	5
23	3	3	3	3	3	3	2	3	4	3	4	5	5	4	4	4	4	3	3	3	3	2	3	3	2
24	2	2	3	5	2	2	2	2	2	3	2	-	1	1	1	1	1	1	1	1	1	1	1	0	2
25	1	1	0	0	0	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	0	0	1	1	1	1	1	1	0	0	1	1	1	1	1	3	3	3	3	3	1	1	1
27	2	1	1	1	1	1	1	2	2	2	2	-	1	2	2	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	9	12	5	4	2	3	4	2	3
29	4	3	3	3	2	1	1	1	1	1	1	-	2	2	2	3	3	4	2	2	1	1	1	1	2
30	0	0	0	0	0	0	0	2	1	0	0	0	1	0	0	1	3	6	18	15	7	3	3	3	3
MEAN	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	1.8

PERCENTAGE OF DATA VALID - 95.7

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 4.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - NE NO 77016 ASH ST WATER TANK. SUDBURY															MONTH - DEC 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6	2	1	1	2	1	1	2	2	2	2	2	2	2	2	1	2	2	3	2	2	2	2	2	2
2	3	3	5	6	12	6	2	3	2	1	0	1	1	1	1	1	2	3	4	5	6	7	7	5	4
3	7	7	5	3	3	2	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	2	2	2
4	2	2	2	2	3	3	2	5	5	3	2	2	-	-	-	-	-	-	-	-	-	-	-	-	.....
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	2	.....
7	2	3	10	12	10	10	13	14	18	15	8	5	6	4	4	3	4	3	3	2	2	2	2	2	7
8	1	1	1	1	1	0	10	3	2	-	1	1	1	1	1	1	5	10	15	10	6	5	6	6	4
9	5	4	5	2	3	1	2	3	5	4	3	2	2	2	2	2	2	2	1	1	1	1	1	1	2
10	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	2	3	2	2	2	1	1	1	1
11	1	1	1	1	1	1	1	3	4	5	-	-	2	3	3	3	7	7	5	6	3	4	4	3	3
12	2	2	2	1	1	1	1	1	1	2	2	4	4	3	3	3	3	3	3	3	2	2	2	2	2
13	2	2	2	3	2	3	2	3	4	2	2	2	1	1	-	2	0	0	0	0	0	0	0	0	1
14	0	0	1	0	0	1	1	7	9	6	5	5	4	7	7	6	4	5	5	4	4	4	4	4	4
15	3	5	7	4	3	3	3	5	15	20	14	-	7	7	4	4	5	5	5	5	6	5	3	4	2
16	1	1	1	1	1	1	1	2	3	4	9	13	6	4	4	5	5	5	5	6	5	3	4	2	4
17	2	1	0	0	0	0	0	1	1	1	1	1	1	2	1	0	0	0	1	1	1	1	1	1	1
18	1	1	1	2	1	1	1	1	4	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1
19	0	0	0	0	0	0	0	1	0	1	1	1	1	1	2	-	-	-	3	3	3	1	2	2	1
20	3	2	1	1	1	1	2	2	3	3	3	3	3	3	4	3	3	2	2	2	2	2	2	2	2
21	2	2	2	1	1	1	1	6	2	2	2	2	2	2	2	2	5	6	5	4	4	4	8	11	3
22	6	5	3	3	3	3	3	4	6	5	9	-	7	4	4	2	3	2	2	2	2	2	1	2	4
23	1	1	1	1	1	1	1	1	2	3	2	2	2	2	3	3	3	3	3	3	5	5	5	22	3
24	14	4	3	3	2	2	2	1	1	1	2	2	3	3	3	3	4	4	3	3	3	3	3	3	3
25	3	3	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
26	1	1	1	1	1	1	1	1	1	1	0	2	1	1	2	2	4	8	5	3	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	3	2	-	2	2	2	2	2	3	3	2	3	3	3	3	2
28	3	3	2	1	1	1	2	3	5	5	4	2	2	2	3	8	15	20	19	20	23	16	15	11	8
29	10	9	6	6	10	7	3	4	5	-	4	3	4	4	4	4	4	3	3	3	3	3	3	3	5
30	3	3	2	2	2	2	2	2	2	2	4	4	6	4	6	5	5	5	5	4	4	5	4	4	4
31	5	4	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	9	9	8	8	8	4
MEAN	3	3	2	2	2	2	2	3	4	4	3	3	3	3	3	3	3	4	4	4	3	3	3	4	3.0

PERCENTAGE OF DATA VALID - 91.8

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 8.2

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77016 ASH ST WATER TANK, SUDBURY

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	3.0	9	32
FEB	26	3.9	15	28
MAR	18	2.0	4	11
APR	21	1.6	3	11
MAY	26	1.1	2	6
JUN	29	1.1	3	12
JUL	31	1.0	2	8
AUG	31	1.1	2	8
SEP	30	1.7	3	13
OCT	31	1.9	5	16
NOV	29	1.8	5	18
DEC	28	3.0	8	23
YEAR	331	1.9	15	32

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77016 ASH ST WATER TANK, SUDBURY

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	645	49	27	6	4	0	0	731
FEB	507	56	40	11	0	0	0	614
MAR	406	27	2	0	0	0	0	435
APR	541	5	1	0	0	0	0	547
MAY	629	1	0	0	0	0	0	630
JUN	686	6	1	0	0	0	0	693
JUL	721	3	0	0	0	0	0	724
AUG	722	8	0	0	0	0	0	730
SEP	692	13	1	0	0	0	0	706
OCT	693	35	4	0	0	0	0	732
NOV	670	13	6	0	0	0	0	689
DEC	605	56	20	2	0	0	0	683
YEAR	7517	272	102	19	4	0	0	7914

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
90.3	0	0.0	0.4	0.8	1.6	3.4	5.0	8.5	13.1	32	1.9

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR													MONTH - JAN 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	2	2	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	3	3	1	3	4	1	2	1	2	3	1	1	2	2	2	2	1	2	1	1	1	2	2
3	2	2	3	4	4	5	4	5	6	6	5	4	2	2	2	3	3	5	8	6	6	3	5	4	4
4	3	3	4	2	3	2	2	4	***	6	5	2	5	5	6	5	7	5	3	5	4	3	6	8	4
5	7	6	4	3	4	6	6	7	9	8	8	7	11	13	12	10	8	7	6	8	6	3	5	8	7
6	9	9	7	4	4	2	2	3	4	7	5	***	***	7	7	7	5	5	4	3	4	3	2	2	5
7	2	2	2	2	2	2	2	2	3	3	3	4	7	9	8	8	9	10	10	7	6	6	6	5	5
8	6	6	6	7	8	8	17	15	11	8	8	6	7	8	10	7	2	2	1	0	0	0	0	0	6
9	0	0	0	0	0	0	0	0	1	1	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	***	0	1	1	1	1	2	3	3	2	2	1	1	2	1
11	3	3	2	3	6	7	7	10	11	9	6	5	4	4	3	4	5	5	5	6	6	8	8	8	6
12	8	8	8	7	8	9	10	12	20	17	13	12	22	21	16	8	7	6	3	4	5	5	3	3	10
13	4	2	1	1	1	1	2	3	4	4	5	***	5	6	6	6	5	4	3	3	2	1	1	1	3
14	1	1	0	0	0	0	0	0	0	1	1	1	0	1	1	2	2	2	1	1	1	1	2	1	1
15	3	3	2	1	1	1	1	1	1	2	3	2	1	1	1	1	1	1	3	5	4	3	2	1	2
16	1	2	4	4	5	6	4	4	5	4	4	4	3	3	3	4	6	7	7	9	15	21	20	15	7
17	12	12	9	5	5	3	3	4	5	3	3	3	3	3	3	2	2	2	1	1	1	1	1	1	4
18	0	0	0	0	0	0	2	5	6	5	2	1	1	2	2	2	2	3	3	2	2	3	2	4	2
19	5	6	5	3	2	1	1	4	8	7	7	5	5	2	1	1	2	3	3	1	1	1	1	1	3
20	1	0	0	0	0	0	1	1	1	1	1	1	1	2	2	1	2	1	2	2	1	2	1	1	1
21	3	3	2	3	2	1	1	2	3	3	2	3	4	4	3	2	3	4	3	4	6	7	6	6	3
22	5	6	6	6	5	5	4	3	3	4	4	3	2	3	2	1	1	1	4	6	6	7	6	6	4
23	7	5	4	2	4	4	4	7	7	7	6	5	2	2	2	3	4	3	3	5	5	3	4	4	4
24	3	5	5	4	3	1	2	4	6	5	4	4	4	3	3	3	2	3	2	1	2	4	6	7	4
25	7	5	3	2	1	3	3	3	5	4	4	4	3	3	3	6	8	8	4	3	3	3	3	3	4
26	1	1	1	1	1	1	1	4	4	5	4	5	5	3	3	3	2	1	1	1	1	0	0	0	2
27	1	1	0	0	0	0	0	0	0	1	1	1	1	***	1	2	3	4	3	4	6	4	3	3	2
28	2	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	0	1	1	1
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	4	6	4	6	4	2
30	3	1	1	1	1	1	1	2	3	2	2	2	3	4	6	6	4	3	6	4	4	7	6	4	3
31	6	5	6	6	5	6	7	10	11	12	7	4	2	2	2	2	5	3	5	4	7	6	6	5	6
MEAN	3	3	3	2	3	3	3	4	5	4	4	3	4	4	4	3	3	3	3	3	4	4	4	4	3.5

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION												
		STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR												MONTH - FEB 78												
HOUR DAY		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		6	7	5	6	3	2	5	5	8	12	13	10	7	3	5	4	4	3	2	3	3	1	3	7	5
2		5	3	6	5	4	5	8	21	17	17	19	14	6	3	2	3	3	7	8	7	10	9	8	8	8
3		6	6	5	3	1	2	3	8	12	***	9	5	2	1	2	2	2	3	4	2	4	5	4	5	2
4		7	2	1	1	1	1	2	2	3	2	2	1	1	1	2	1	1	3	3	3	3	2	1	1	2
5		1	1	1	1	1	1	1	1	1	1	2	2	4	3	2	2	2	2	2	1	1	1	1	1	2
6		1	1	1	1	1	2	4	6	7	3	3	3	3	2	2	2	2	2	2	1	1	1	1	1	2
7		1	1	1	0	0	1	1	3	8	5	4	3	3	3	2	2	2	3	3	2	1	2	4	5	3
8		4	3	5	6	12	9	13	20	15	10	6	5	3	2	2	2	4	6	3	1	4	4	2	2	6
9		1	1	1	1	2	4	5	9	9	8	7	4	2	2	2	2	4	4	6	9	6	8	10	13	5
10		9	9	7	4	5	4	9	15	22	***	14	7	***	2	2	2	2	4	4	6	6	8	7	8	7
11		7	6	6	7	7	6	5	11	13	10	9	5	3	2	1	1	1	1	2	3	5	6	2	1	5
12		1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	1
13		3	2	3	3	4	11	6	6	***	***	***	***	***	1	1	1	2	2	1	1	1	***	***	***	3
14		-	-	-	-	-	-	-	-	-	-	3	2	1	1	2	2	1	1	1	1	2	3	8	10	***
15		9	7	5	4	2	2	1	3	6	5	4	3	2	1	1	1	1	1	1	1	1	1	1	1	3
16		0	0	1	1	1	1	1	1	1	2	2	1	1	1	1	***	1	3	3	4	1	2	2	1	1
17		2	1	2	4	5	5	8	10	11	***	6	5	4	3	3	2	3	3	4	3	3	6	4	10	5
18		9	6	8	7	6	6	7	7	9	11	10	8	4	3	2	2	2	2	1	2	4	3	2	4	5
19		11	11	5	2	1	2	2	3	4	4	3	3	3	1	1	1	1	1	1	1	1	1	2	7	3
20		3	6	6	7	6	6	8	8	***	***	10	4	1	1	1	1	1	1	1	1	1	1	1	1	3
21		5	8	12	8	8	6	7	14	19	16	9	4	3	2	2	2	3	2	2	2	1	1	1	1	6
22		1	1	1	1	1	2	5	10	13	8	3	2	2	2	2	2	2	2	2	3	4	8	7	6	4
23		5	5	6	5	2	3	5	6	5	6	6	6	8	4	4	2	2	1	4	7	7	5	4	4	5
24		6	2	2	2	3	6	5	5	7	***	8	4	2	3	2	1	2	1	1	1	1	1	1	2	3
25		2	1	1	1	1	1	3	3	3	1	1	1	1	1	1	1	1	1	2	3	5	4	4	3	2
26		4	11	8	4	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
27		1	1	1	1	2	3	5	7	***	6	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2
28		1	1	1	1	1	1	1	1	3	1	1	1	2	***	2	2	***	2	2	2	3	4	3	1	2
MEAN		4	4	4	3	3	3	4	7	8	6	6	4	3	2	2	2	2	2	2	3	3	3	3	4	3.6

PERCENTAGE OF DATA VALID - 95.7

PERCENTAGE OF DATA INVALID - 3.0

PERCENTAGE OF DATA UNAVAILABLE - 1.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

		POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION										
		STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR														MONTH - MAR 78										
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		1	1	1	1	1	1	1	3	5	4	3	3	3	2	2	2	2	2	2	2	1	3	7	11	3
2		15	14	13	10	9	6	15	37	33	23	6	2	1	1	1	1	2	1	1	1	1	1	1	1	8
3		1	1	1	1	1	1	1	1	2	5	4	3	2	1	1	1	2	2	1	2	2	4	2	2	2
4		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5		1	1	1	1	1	1	2	3	4	3	2	2	1	1	1	1	1	1	1	1	2	1	2	4	2
6		3	3	4	3	4	3	5	5	6	3	2	1	1	1	3	4	3	1	1	2	4	10	2	2	4
7		4	14	19	12	9	4	9	14	***	6	2	1	1	1	1	1	1	1	1	1	1	1	1	1	5
8		1	1	1	1	1	1	1	3	5	3	2	1	1	1	2	2	2	3	3	2	2	2	3	4	2
9		4	6	6	5	9	12	15	23	14	3	6	7	4	5	3	2	1	1	3	6	9	1	2	5	6
10		5	9	13	7	4	8	11	22	14	***	3	1	1	1	1	1	1	1	1	4	5	1	1	1	6
11		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	***	***	***	4	1
12		4	7	8	6	3	2	2	2	3	2	2	2	3	3	3	3	3	3	5	6	13	6	11	4	4
13		6	6	3	2	3	3	3	5	8	3	2	2	1	1	2	1	2	1	1	1	1	2	1	1	3
14		1	2	1	1	1	1	2	2	3	3	5	19	7	2	5	4	8	3	4	8	6	4	4	3	4
15		6	4	3	3	2	6	6	8	16	19	3	4	4	3	3	3	3	3	5	3	4	3	3	3	5
16		4	4	2	2	2	2	3	5	9	7	4	2	2	2	2	4	4	3	2	3	3	2	3	2	3
17		2	2	2	2	2	3	4	6	5	***	3	3	6	4	3	3	2	2	4	6	6	3	5	5	4
18		3	3	2	3	3	5	6	8	6	5	3	2	1	1	1	1	1	1	1	1	1	1	1	1	3
19		3	3	2	2	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	2	4	6	9	11	3
20		13	5	6	3	1	1	1	1	1	1	2	2	2	2	2	1	2	2	1	1	1	1	1	1	2
21		1	2	2	1	2	2	3	5	8	8	7	6	3	2	1	2	2	2	2	2	2	2	2	2	3
22		2	4	5	5	3	2	3	4	6	7	5	3	3	2	4	5	5	13	16	18	16	17	15	10	7
23		4	3	2	2	2	2	8	12	14	12	7	3	1	2	3	3	3	2	2	2	2	2	1	1	4
24		1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25		0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1	1	0	0	0	0	0	0	0	0
26		1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2	3	4	3	2	2	2	2
27		2	1	1	1	1	1	1	2	5	4	3	3	2	2	3	3	3	2	2	2	2	6	7	4	3
28		3	1	2	2	1	1	1	2	2	5	6	5	2	3	2	2	3	2	1	2	1	1	2	3	2
29		5	4	3	2	1	4	3	6	3	2	1	1	1	1	2	1	2	2	2	2	2	4	7	10	3
30		9	10	9	6	5	7	13	18	21	8	5	1	2	1	2	2	2	1	1	3	4	3	4	2	6
31		1	1	1	1	1	1	3	3	5	3	***	1	0	0	1	1	1	1	1	1	3	5	3	2	2
MEAN		3	4	4	3	2	3	4	7	7	5	3	3	2	2	2	2	2	2	2	3	3	3	3	4	3.2

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION										
		STATION - SW NO 12008					467 UNIVERSITY AV WEST F2 WINDSOR										MONTH - APR 78									
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2		0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	1	1	0	0	1	1	0
3		0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	2	4	3	4	3	1	2	2	2	1
4		2	2	1	3	2	2	2	5	***	4	3	4	5	4	2	5	6	5	4	1	1	1	1	0	3
5		1	1	1	0	0	3	7	6	4	3	2	1	1	1	1	1	1	1	1	1	1	0	0	0	2
6		1	2	0	0	0	0	0	0	0	1	1	1	1	1	2	3	5	4	6	6	10	20	10	3	
7		2	0	0	0	1	2	3	4	4	***	1	1	1	1	0	0	0	1	1	1	2	3	2	1	1
8		1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	1	0	0	0	0
9		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10		0	0	0	0	0	0	0	1	2	2	2	1	1	1	1	1	1	1	1	2	10	5	4	1	1
11		0	0	0	2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	2	2	4	2	1
12		2	1	1	1	1	1	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1
13		1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	1	2	3	1
14		5	4	4	4	2	2	4	4	3	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2
15		6	6	8	3	0	1	4	3	1	1	1	1	0	0	0	0	0	0	0	0	1	2	1	1	2
16		1	1	4	7	3	13	14	16	11	2	3	3	1	1	1	1	1	0	0	0	0	0	4	3	4
17		2	6	2	1	1	2	3	4	4	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
18		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
19		1	1	1	1	1	1	2	4	5	6	3	1	1	1	1	1	1	1	3	6	5	1	2	2	2
20		2	1	1	1	1	1	1	1	***	2	2	2	2	2	2	2	2	2	2	2	2	1	2	1	2
21		1	1	1	1	1	1	2	3	3	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2	1
22		2	5	5	8	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
23		3	4	5	3	2	1	5	4	4	3	3	2	2	2	2	2	2	1	1	1	3	8	3	3	3
24		2	2	2	2	2	2	1	1	3	9	10	9	3	2	2	2	2	1	1	1	2	1	1	2	3
25		1	2	2	1	1	1	3	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26		1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
27		1	1	1	1	1	1	2	4	3	1	1	1	1	1	1	1	1	1	1	1	7	2	4	4	2
28		2	2	6	15	12	6	6	8	5	2	1	1	1	1	1	1	1	1	1	1	2	7	3	4	4
29		5	9	9	13	11	12	8	9	9	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4
30		0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1
MEAN		2	2	2	2	2	2	2	3	3	2	2	1	1	1	1	1	1	1	1	2	2	1	2	2	1.7











MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	3.5	10	22
FEB	27	3.6	8	22
MAR	31	3.2	8	37
APR	30	1.7	4	20
MAY	31	1.8	7	48
JUN	30	1.4	4	16
JUL	31	1.1	3	11
AUG	31	1.1	5	25
SEP	30	1.5	5	31
OCT	30	3.7	10	50
NOV	30	6.3	18	87
DEC	31	4.1	10	22
YEAR	363	2.7	18	87

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	581	134	20	3	0	0	0	738
FEB	498	116	27	2	0	0	0	643
MAR	629	69	33	4	2	0	0	737
APR	676	31	10	0	0	0	0	717
MAY	689	31	7	4	1	1	0	733
JUN	669	29	9	0	0	0	0	707
JUL	711	12	1	0	0	0	0	724
AUG	691	24	14	1	0	0	0	730
SEP	662	37	11	1	1	0	0	712
OCT	590	78	23	17	1	3	0	712
NOV	435	141	106	17	4	2	4	709
DEC	525	165	32	2	0	0	0	724
YEAR	7356	867	293	51	9	6	4	8586

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
98.0	0	0.0	0.3	0.9	2.3	6.3	9.1	14.4	18.8	87	2.7









ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA													MONTH - JUL 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	0	0	0	0	0	0	0	1	1	1	2	1	1	1	2	2	2	2	2	3	4	1	1
2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
3	0	0	0	0	0	0	0	1	1	1	1	1	2	2	2	3	3	3	3	3	2	3	3	3	2
4	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	3
5	2	2	2	2	3	4	6	4	4	4	4	4	4	3	3	3	3	2	2	2	3	3	2	2	3
6	3	3	3	3	4	4	5	5	5	5	6	3	***	2	3	3	2	2	3	3	3	3	3	3	3
7	3	3	3	3	3	4	4	6	6	6	5	4	4	4	3	3	3	3	3	3	3	3	3	4	4
8	4	4	4	4	3	3	4	3	2	2	2	2	2	2	2	2	2	1	2	2	1	1	2	1	2
9	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
10	1	1	1	1	1	1	0	0	0	0	0	0	***	1	1	1	1	1	1	0	0	0	0	0	0
11	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	0
12	1	1	0	0	1	2	4	1	1	1	0	0	1	1	0	1	1	1	0	0	0	0	0	0	1
13	1	1	1	1	2	2	3	3	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	3
14	3	3	2	2	2	2	2	2	***	1	2	3	2	2	2	2	2	2	1	1	1	1	1	1	2
15	1	2	2	2	3	3	4	4	3	2	2	2	2	2	2	1	1	1	1	1	1	1	0	0	2
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0
17	0	0	0	0	0	2	3	3	2	1	1	1	1	1	1	0	0	0	0	0	0	1	3	1	1
18	0	0	0	1	3	3	5	6	4	2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
19	0	1	1	4	5	3	3	3	4	3	3	***	-	-	-	-	-	-	-	-	-	-	-	-	*****
20																									
21																									
22																									
23																									
24																									
25																									
26																									
27																									
28																									
29																									
30																									
31																									
MEAN	1	1	1	1	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	1	1.7

PERCENTAGE OF DATA VALID - 59.1 PERCENTAGE OF DATA INVALID - 0.5 PERCENTAGE OF DATA UNAVAILABLE - 40.3

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT				UNITS - 0.01 PARTS/MILLION			
STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA							
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING			
JAN	31	3.1	8	24			
FEB	28	2.3	6	23			
MAR	31	1.9	4	16			
APR	29	0.9	3	20			
MAY	31	1.3	3	8			
JUN	24	2.2	7	12			
JUL	18	1.7	4	6			
YEAR	192	1.9	8	24			

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	638	67	26	3	0	0	0	734
FEB	635	27	5	1	0	0	0	668
MAR	696	32	4	0	0	0	0	732
APR	685	7	4	0	0	0	0	696
MAY	707	17	0	0	0	0	0	724
JUN	563	30	3	0	0	0	0	596
JUL	434	6	0	0	0	0	0	440
YEAR	4358	186	42	4	0	0	0	4590

## FREQUENCY DISTRIBUTION BY PERCENTILES

 PERCENT  
OF DATA  
VALID

90.2

0

0.0

0.3

0.9

1.8

3.6

5.0

7.5

10.0

MAX

24

 ARITH  
MEAN

1.9

 CONCENTRATIONS  
FREQUENCY DISTRIBUTION, PERCENT

50

70

90

95

98

99

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14064

CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA

MONTH - AUG 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	4
11	4	0	6	6	3	5	9	5	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
12	0	0	1	1	0	0	1	2	5	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
13	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	1	0	0	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	5	5	6	8	10
21	11	6	9	10	10	7	6	5	3	3	4	4	2	1	0	0	0	0	0	1	2	2	1	0	4
22	0	0	0	1	3	5	9	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
23	1	1	1	1	1	2	4	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	5	2	4	1	1	2	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
27	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	3	1	1	1	1	1	1	1	1	3	3	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
30	0	1	1	0	0	1	3	5	3	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
31	1	0	0	0	0	1	2	2	1	1	1	1	1	1	2	2	1	1	1	2	1	3	15	19	3
MEAN	2	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1.3

PERCENTAGE OF DATA VALID - 72.3

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 26.9

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY





ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA UNAVAILABLE		
FEB		DATA UNAVAILABLE		
MAR		DATA UNAVAILABLE		
APR		DATA UNAVAILABLE		
MAY		DATA UNAVAILABLE		
JUN		DATA UNAVAILABLE		
JUL		DATA UNAVAILABLE		
AUG	22	1.3	4	19
SEP	30	1.4	4	21
OCT	28	2.0	4	37
NOV	30	2.8	7	31
DEC	31	2.0	6	12
YEAR	141	1.9	7	37

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	DATA UNAVAILABLE							
FEB	DATA UNAVAILABLE							
MAR	DATA UNAVAILABLE							
APR	DATA UNAVAILABLE							
MAY	DATA UNAVAILABLE							
JUN	DATA UNAVAILABLE							
JUL	DATA UNAVAILABLE							
AUG	521	14	3	0	0	0	0	538
SEP	681	14	8	1	0	0	0	704
OCT	668	22	10	0	1	0	0	701
NOV	604	85	17	2	1	0	0	709
DEC	652	68	1	0	0	0	0	721
YEAR	3126	203	39	3	2	0	0	3373

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
91.9	0	0.0	0.2	0.7	1.5	4.3	5.9	8.7	10.7	37	1.9











## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION										
		STATION - SW NO 15001					WESTERN FAIR GROUNDS KING/RECTORY, LONDON										MONTH - OCT 78									
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1													- DATA UNAVAILABLE -													
2													- DATA UNAVAILABLE -													
3													- DATA UNAVAILABLE -													
4													- DATA UNAVAILABLE -													
5													- DATA UNAVAILABLE -													
6													- DATA UNAVAILABLE -													
7													- DATA UNAVAILABLE -													
8													- DATA UNAVAILABLE -													
9													- DATA UNAVAILABLE -													
10													- DATA UNAVAILABLE -													
11													- DATA UNAVAILABLE -													
12													- DATA UNAVAILABLE -													
13													- DATA UNAVAILABLE -													
14													- DATA UNAVAILABLE -													
15													- DATA UNAVAILABLE -													
16													- DATA UNAVAILABLE -													
17													- DATA UNAVAILABLE -													
18													- DATA UNAVAILABLE -													
19													- DATA UNAVAILABLE -													
20		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	11	10	6	7	8	10	5	*****
21		8	2	1	1	1	1	2	2	2	2	2	2	1	1	1	2	1	4	2	0	1	2	1	1	2
22		2	3	0	1	0	0	1	2	1	1	1	1	1	2	2	2	1	0	0	0	1	0	0	0	1
23		0	0	0	0	0	1	1	2	2	2	2	2	1	1	1	1	1	0	0	0	0	0	0	0	1
24		1	2	1	1	1	3	8	9	5	2	2	2	2	2	2	2	3	4	8	4	4	4	2	3	3
25		5	1	0	0	1	2	6	4	3	2	2	2	2	3	3	4	5	4	2	1	1	3	1	0	2
26		0	0	0	1	0	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	3	4	2	0	1
27		1	0	0	0	1	3	9	12	5	2	2	2	2	2	2	2	3	6	8	3	2	7	4	3	3
28		3	3	3	3	7	6	8	7	3	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3
29		5	7	7	6	5	4	8	5	0	0	0	0	0	0	0	0	1	2	1	1	2	2	1	1	2
30		0	0	0	0	0	1	3	8	10	2	1	2	2	1	1	2	4	10	12	14	3	9	4	4	4
31		3	3	3	3	5	3	5	11	5	2	1	1	1	1	1	1	2	1	1	1	1	1	2	3	3
MEAN		3	2	1	1	2	2	5	6	3	2	1	1	1	1	1	2	2	4	4	3	2	4	2	2	2.5

PERCENTAGE OF DATA VALID - 36.0 PERCENTAGE OF DATA INVALID - 0.9 PERCENTAGE OF DATA UNAVAILABLE - 63.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
2. \*\* INDICATES DATA IS UNAVAILABLE
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION										
		STATION - SW NO 15001					WESTERN FAIR GROUNDS KING/RECTORY, LONDON										MONTH - NOV 78									
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		4	5	8	2	1	1	7	10	12	9	1	1	1	1	1	2	6	11	18	12	7	6	8	5	6
2		1	1	1	1	0	2	4	9	7	6	3	2	2	2	1	1	3	8	11	12	9	13	17	30	6
3		29	29	21	21	25	18	20	36	44	34	12	2	1	1	1	2	3	6	15	12	6	6	6	3	15
4		2	5	4	3	4	5	8	9	12	4	2	2	3	1	1	1	7	14	17	16	18	20	23	14	8
5		24	10	2	3	0	1	1	4	5	3	2	1	2	1	1	1	2	1	2	2	1	1	1	1	3
6		0	0	0	0	0	0	0	1	2	3	3	1	1	1	1	1	2	1	1	1	1	0	1	1	1
7		0	0	0	0	0	0	1	2	2	0	0	1	1	1	1	1	2	6	6	5	5	5	6	5	2
8		4	5	5	7	9	15	23	31	39	9	3	3	2	2	2	2	5	5	10	8	3	3	3	1	8
9		0	0	0	0	0	1	2	4	3	2	3	2	2	3	3	4	5	8	12	20	18	19	21	16	6
10		18	13	3	3	5	6	12	25	17	10	5	3	2	1	2	2	6	8	11	10	8	9	18	12	9
11		9	12	10	8	10	5	2	2	3	4	4	4	6	2	2	2	2	1	1	1	1	1	1	1	4
12		0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	1	0	0	0	0	0	0
13		0	0	0	0	0	0	0	1	1	1	2	2	2	2	3	2	2	4	3	2	3	5	1	1	2
14		1	0	0	0	1	1	1	2	3	2	2	1	1	1	1	1	1	1	1	0	0	0	0	0	1
15		0	0	0	0	0	0	0	1	4	3	1	1	0	0	1	0	1	3	14	20	13	21	30	19	6
16		11	6	1	0	0	1	4	13	14	3	0	0	0	0	1	1	1	3	1	2	0	0	1	0	3
17		0	0	0	0	0	0	0	1	3	2	0	0	0	0	0	0	1	1	3	1	2	0	0	1	0
18		0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	4	2	2	3	1	0	1	0	1
19		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	7	11	10	15	21	3
20		9	7	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
21		0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	2	3	0	0	0	0	0	0	0
22		0	0	0	0	0	0	0	1	1	1	2	1	1	1	1	2	3	2	1	1	1	1	2	2	1
23		2	1	1	0	0	1	2	3	4	3	3	2	2	3	3	4	5	4	3	3	3	3	2	2	2
24		2	1	1	1	1	1	1	2	3	2	2	2	2	2	2	2	3	2	1	2	1	1	0	0	2
25		0	0	0	0	0	0	0	0	0	0	1	2	1	1	1	2	1	2	1	1	1	1	0	0	1
26		0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0
27		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
28		4	3	2	1	1	2	3	4	5	5	3	4	3	2	2	2	3	2	3	3	3	3	3	4	3
29		2	1	1	1	2	2	6	15	22	14	6	4	2	2	3	3	4	4	6	4	2	1	1	2	5
30		1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	2	3	3	4	8	8	6	6	3	2
MEAN		4	3	2	2	2	2	3	6	7	4	2	1	1	1	1	2	3	4	5	5	4	5	6	5	3.4

PERCENTAGE OF DATA VALID - 98.8 PERCENTAGE OF DATA INVALID - 1.3 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
2. \*\* INDICATES DATA IS UNAVAILABLE
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY, LONDON															MONTH - DEC 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	3	9	9	7	6	6	5	****	7	9	11	6	5	5	5	4	2	1	5
2	0	0	0	0	0	0	0	1	1	1	2	2	2	1	1	1	1	3	2	5	3	2	3	1	1
3	1	1	0	0	0	0	0	0	0	0	0	1	1	3	5	8	10	7	1	1	1	1	1	1	2
4	2	1	1	1	1	1	1	1	2	1	1	1	2	****	2	2	3	3	3	3	1	1	2	2	2
5	1	1	1	1	1	1	1	3	4	3	3	3	2	3	3	3	4	4	3	3	4	2	3	3	3
6	3	4	4	4	4	4	7	8	10	6	5	4	4	3	3	3	5	6	5	4	3	3	2	2	4
7	0	0	0	0	0	0	1	2	2	2	2	2	2	****	2	3	4	4	4	6	5	5	10	16	3
8	5	3	3	4	4	2	2	3	3	2	3	2	2	2	3	3	2	2	2	2	2	2	2	1	3
9	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1
11	1	2	2	1	1	2	4	4	5	5	****	3	3	4	6	7	7	6	6	4	2	2	2	2	4
12	1	1	1	0	0	0	1	3	4	3	3	3	3	2	2	3	3	2	2	2	2	2	1	0	2
13	0	0	0	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
14	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
15	****	****	****	****	****	****	****	****	****	****	2	2	2	****	****	4	5	3	3	3	3	3	3	4	****
16	4	6	5	4	5	5	4	6	7	6	5	4	3	4	3	5	6	6	9	5	2	1	1	1	4
17	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	1	3	5	7	4	3	3	3	2	2	2	1	1	2	0	0	0	0	0	2
19	0	0	0	0	0	0	1	1	1	****	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
20	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	3	4	5	7	5	3	2
21	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	1	3	1	1	1	2	2	1
22	1	1	1	1	3	3	4	5	5	3	3	3	3	3	3	3	3	3	3	5	2	1	1	1	3
23	1	1	1	1	1	1	2	3	3	4	2	2	2	2	2	3	4	6	6	8	9	6	2	2	3
24	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	2	2	3	2	3	2
25	3	3	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	4	5	****	-	3	1	-	2	2	3	6	3	8	5	6	3	4	3
29	3	3	4	3	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	0	0	0	0	0	1	1	1	1	1	2	3	4	4	5	7	11	11	9	9	9	5	5	6	4
31	5	5	4	4	5	5	5	6	5	5	5	5	6	7	6	6	6	5	4	4	5	3	3	2	5
MEAN	1	1	1	1	1	1	2	3	3	2	2	2	2	2	2	3	4	3	3	3	3	2	2	2	2.2

PERCENTAGE OF DATA VALID - 91.3

PERCENTAGE OF DATA INVALID - 8.5

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT				UNITS - 0.01 PARTS/MILLION	
STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY, LONDON					
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING	
JAN	31	2.3	8	33	
FEB	28	2.7	9	30	
MAR	31	1.8	9	33	
APR	30	1.1	3	14	
MAY	11	1.1	2	11	
JUN	1	2.1	1	6	
JUL	31	1.5	5	14	
AUG	24	1.4	5	13	
SEP	DATA UNAVAILABLE				
OCT	11	2.5	4	14	
NOV	30	3.4	15	44	
DEC	28	2.2	5	16	
YEAR	256	2.0	15	44	

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY.LONDON

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	649	67	10	4	1	0	0	731
FEB	581	40	21	16	0	0	0	658
MAR	686	27	7	3	1	0	0	724
APR	694	9	9	0	0	0	0	712
MAY	260	4	1	0	0	0	0	265
JUN	30	1	0	0	0	0	0	31
JUL	698	23	7	0	0	0	0	728
AUG	569	23	1	0	0	0	0	593
SEP	DATA UNAVAILABLE							
OCT	237	26	5	0	0	0	0	268
NOV	592	54	45	15	4	1	0	711
DEC	624	51	4	0	0	0	0	679
YEAR	5620	325	110	38	6	1	0	6100

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
75.9	0	0.0	0.1	0.7	1.5	4.3	6.9	11.3	16.8	44	2.0

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22071 EXPERIMENTAL FARM SIMCOE

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									
17																									
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	4	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	2	2	2	2	2	2	2
21	2	2	2	2	2	2	2	2	2	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
22	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	3	3	3	3	3	3	3	3	3	3
23	3	3	3	3	3	3	3	3	3	3	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3
24	3	3	3	2	3	3	3	3	3	4	4	4	3	3	2	2	2	1	1	1	1	1	1	1	2
25	1	1	1	1	1	1	1	2	2	2	2	2	2	3	4	3	2	2	2	1	1	1	1	1	2
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
28	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
29	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
30	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
31	-	-	-	-	-	-	-	-	-	-	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2.1

PERCENTAGE OF DATA VALID - 41.0

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 58.2

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION														
STATION - WC NO 22071						EXPERIMENTAL FARM SIMCOE						MONTH - FEB 78														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	
2	2	1	1	1	1	1	2	4	5	4	3	2	3	3	3	3	2	2	2	2	1	1	1	1	2	
3	1	1	1	1	1	1	1	1	2	2	2	3	3	3	2	2	2	2	1	1	1	1	1	1	2	
4	1	1	1	1	1	1	1	1	2	3	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	
5																										
6																										
7																										
8	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	1	1	1	2	1	1	1	1	1	1	***
9	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	
10	1	1	1	1	1	1	1	1	1	1	***	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
11	1	1	1	1	1	1	1	1	2	2	2	3	2	2	2	1	1	1	1	1	1	1	1	1	1	
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
14	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	
15	1	1	3	1	1	1	2	4	3	3	3	2	2	1	2	1	1	1	1	1	1	1	1	1	2	
16	1	1	1	1	1	1	1	1	2	2	1	***	***	1	1	1	1	1	1	1	1	1	1	1	1	
17	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	
18	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	
19	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	
20	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	
21	***	***	***	***	***	***	***	***	***	***	***	***	3	3	3	3	3	3	3	3	3	3	3	3	***	
22																										
23																										
24																										
25																										
26																										
27																										
28																										
MEAN	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1.4	

PERCENTAGE OF DATA VALID - 57.9      PERCENTAGE OF DATA INVALID - 17.1      PERCENTAGE OF DATA UNAVAILABLE - 25.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - WC NO 22071						EXPERIMENTAL FARM SIMCOE						MONTH - MAR 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1												- DATA UNAVAILABLE -													
2												- DATA UNAVAILABLE -													
3												- DATA UNAVAILABLE -													
4												- DATA UNAVAILABLE -													
5												- DATA UNAVAILABLE -													
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	****	1	1	1	1	1	0	0	0	0	*****
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	2	1	1	***	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	***	***	1	1	1	1	1	1	1	1	1	2	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1
15	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	2	2	2	2	2	2	***	***	***	***	***	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	***	***	***	***	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1
19	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
21	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
22	0	0	0	0	0	0	0	0	0	***	***	***	***	***	***	1	1	1	1	1	1	1	1	1	1
23	-	-	-	-	-	-	-	-	-	-	-	-	***	1	1	1	1	1	1	1	1	1	2	1	***
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	1	1	1	1	1	1	1	2	2	2	***	1	1	1	1	1	2	1	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 76.9      PERCENTAGE OF DATA INVALID - 1.6      PERCENTAGE OF DATA UNAVAILABLE - 21.5

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT											UNITS - 0.01 PARTS/MILLION														
STATION - WC NO 22071											EXPERIMENTAL FARM SIMCOE														
											MONTH - JUN 78														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1												- DATA UNAVAILABLE -													
2												- DATA UNAVAILABLE -													
3												- DATA UNAVAILABLE -													
4												- DATA UNAVAILABLE -													
5												- DATA UNAVAILABLE -													
6												- DATA UNAVAILABLE -													
7												- DATA UNAVAILABLE -													
8												- DATA UNAVAILABLE -													
9												- DATA UNAVAILABLE -													
10												- DATA UNAVAILABLE -													
11												- DATA UNAVAILABLE -													
12												- DATA UNAVAILABLE -													
13												- DATA UNAVAILABLE -													
14												- DATA UNAVAILABLE -													
15												- DATA UNAVAILABLE -													
16	-	-	-	-	-	-	-	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
24	0	0	0	0	0	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	0
MEAN	0	0	0	0	0	0	0	1	1	1	0	0	0	1	0	0	0	0	0	1	1	1	0	0	0.5

PERCENTAGE OF DATA VALID - 48.9 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 51.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - WC NO 22071												EXPERIMENTAL FARM SIMCOE													
												MONTH - JUL 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	0	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
8	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
14	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	0	0	0	0	0	1
15	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	1	1	1	1	1	1	0	0	1	1	1	1	1	1	0	0	0	0	0	0
18	0	0	0	0	0	1	1	2	1	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	0	1	1	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	1	1	1	1	0	0	1	1	1	0	1	1	0	0	0	0	0	0
25	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
30	0	0	0	1	1	0	1	1	1	1	1	0	1	0	0	0	0	1	1	0	0	0	0	0	0
31	0	0	0	0	0	1	1	1	1	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PERCENTAGE OF DATA VALID - 99.5 PERCENTAGE OF DATA INVALID - 0.5 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY







POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - WC NO 22071 EXPERIMENTAL FARM SIMCOE												MONTH - DEC 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	0
2	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	1	0	0	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0
6	0	1	0	1	1	1	1	1	2	2	2	1	1	1	1	1	0	0	0	1	1	0	1	1	1
7	1	1	1	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	1	1	3	2	1
8	1	0	0	0	1	2	4	3	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	1	0
12	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	1	1	0	1	0
15	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	1	0	0	0
16	0	0	0	0	0	0	0	1	1	1	1	2	1	1	1	1	2	1	1	0	0	0	0	0	1
17	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	1	1	1	1	1	0
20	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	4	1
21	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	1	0	0	0	0	1
24	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	0	0	0	0	0	1	2	0	0
29	1	3	4	2	2	2	3	2	2	2	1	1	1	1	1	1	1	0	1	1	1	1	1	1	2
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1
31	2	2	2	2	2	2	2	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	0.5

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22071 EXPERIMENTAL FARM SIMCOE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	11	2.1	3	6
FEB	15	1.4	2	5
MAR	23	1.0	2	2
APR	19	0.3	1	2
MAY	22	0.0	1	1
JUN	15	0.5	1	2
JUL	31	0.2	1	2
AUG	31	0.4	1	2
SEP	29	0.4	1	3
OCT	29	0.3	1	2
NOV	30	0.5	2	5
DEC	31	0.5	2	4
YEAR	286	0.5	3	6

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22071

EXPERIMENTAL FARM SIMCOE

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	304	1	0	0	0	0	0	305
FEB	389	0	0	0	0	0	0	389
MAR	572	0	0	0	0	0	0	572
APR	480	0	0	0	0	0	0	480
MAY	533	0	0	0	0	0	0	533
JUN	352	0	0	0	0	0	0	352
JUL	740	0	0	0	0	0	0	740
AUG	742	0	0	0	0	0	0	742
SEP	704	0	0	0	0	0	0	704
OCT	713	0	0	0	0	0	0	713
NOV	718	0	0	0	0	0	0	718
DEC	742	0	0	0	0	0	0	742
YEAR	6989	1	0	0	0	0	0	6990

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
79.8	0	0.0	0.0	0.0	0.4	0.9	1.4	2.0	2.6	6	0.5

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22086

CHEAPSIDE RD. 3 KM S OF HWY 3, NANTICOKE

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	4	4	3	7	3	1	1	1	1	1	0	0	0	0	0	0	0	1
5	0	0	0	0	0	0	0	0	1	2	1	1	1	1	1	1	7	3	1	1	1	1	1	1	1
6	1	1	1	2	3	0	0	0	0	0	0	0	1	****	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0	0	1	1	2	2	3	1
8	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	1	0	0	0	0
13	0	0	0	0	1	0	1	1	0	1	1	1	2	2	2	1	1	0	0	0	0	0	0	0	1
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	2	2	2	3	2	1	1	0	0	0	0	0	0	0	0	0	0	1
18	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	1	0	0	0	0	0	0
19	0	1	1	0	0	0	0	6	4	4	2	1	****	-	-	-	-	-	-	-	-	-	-	-	*****
20	- DATA UNAVAILABLE -																								
21	- DATA UNAVAILABLE -																								
22	- DATA UNAVAILABLE -																								
23	- DATA UNAVAILABLE -																								
24	- DATA UNAVAILABLE -																								
25	- DATA UNAVAILABLE -																								
26	- DATA UNAVAILABLE -																								
27	- DATA UNAVAILABLE -																								
28	- DATA UNAVAILABLE -																								
29	- DATA UNAVAILABLE -																								
30	- DATA UNAVAILABLE -																								
31	- DATA UNAVAILABLE -																								
MEAN	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 59.5

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 40.2

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 22086 CHEAPSIDE RD.3 KM 5 OF HWY 3, NANTICOKE															MONTH - JUN 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
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25																									
26																									
27																									
28																									
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	1	1	0	0	1	1	0	1	1	0	0	0	0	0	1	1	1	1
MEAN	0	0	0	0	0	0	0	1	1	0	0	1	1	0	1	1	0	0	0	0	0	1	1	1	0.4

PERCENTAGE OF DATA VALID - 8.5 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 91.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 22086 CHEAPSIDE RD.3 KM 5 OF HWY 3, NANTICOKE															MONTH - JUL 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	2	7	2	0	0	0	0	0	1
18	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	1	0	0	2	0	0	0	1	0	0	0	0	0	0	2	2	2	2	1
26	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 22086 CHEAPSIDE RD.3 KM S OF HWY 3, NANTICOKE															MONTH - AUG 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	1	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	1	3	1	0	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	1	0	0	***	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
21	0	0	0	0	0	0	1	0	1	0	0	0	0	1	3	2	1	0	0	0	0	0	0	0	0
22	0	0	0	0	0	1	2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	4	1	0	0	0	0	3	4	2	0	0	0	0	0	0	0	0	0	1
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 22086 CHEAPSIDE RD.3 KM S OF HWY 3, NANTICOKE															MONTH - SEP 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	1	***	1	1	1	1	1	1	1	1	1	1	0
7	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
22	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
23	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0
26	0	0	0	0	0	0	0	1	1	1	1	1	2	3	1	0	0	0	0	0	0	0	0	0	0
27	1	1	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	1	1	1	1	1	0	1	0	1	1	***	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	1	1	1	1	1	0	1	1	1	1	1	1	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 22086															MONTH - OCT 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	1	1	2	1	1	0	2	1	1	1	1	1	0	1	0	0	0	0	0	1
3	0	0	0	0	0	0	1	1	1	0	0	1	0	0	0	1	1	1	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	1	0	0	2	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
11	0	0	0	0	1	1	1	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
12	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
18	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	1	1	1	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	1	1	0	0	0	1	2	2	2	0	0	0	0	0	0	0	0	0	0
25	2	3	3	4	1	1	0	1	3	5	3	3	2	2	1	1	1	1	0	0	0	0	0	0	2
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	1	2	3	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0
31	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 22086															MONTH - NOV 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	2	1	0	0	0	0	3	2	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	1	1	1	1	2	2	2	2	2	2	1	1	0	1	1	1	0	0	0	1
11	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
14	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
24	1	1	1	1	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	2	2	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2
29	0	0	0	0	0	0	0	0	1	1	1	3	1	4	2	0	0	0	0	0	0	0	0	0	1
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 22086 CHEAPSIDE RD.3 KM S OF HWY 3. NANTICOKE															MONTH - DEC 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	1	1	1	----	-----	-----	-----	0	0	-----	-----	-----	-	-	-	-	-	-----
7																									
8																									
9																									
10																									
11																									
12	-	-	-	-	-	-	-	-	-	-	-	-	-	----	-----	0	0	0	0	2	1	6	5	2	-----
13	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	1	3	5	3	3	4	0	1	1	0	0	0	6	4	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	0	0	1	0	0	0	0	1	1	0
19	1	1	0	0	0	0	0	0	0	0	0	----	-----	-----	-----	0	0	0	0	0	0	0	0	0	0
20	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	3	3	2	3	1
21	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	3	2	4	7	1	1	0	0	0	0	0	0	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	
26	0	1	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0
27	0	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0
28	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
29	2	2	2	1	2	2	1	2	2	----	-----	-----	1	2	2	3	2	1	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	1	2	2	2	1	1	1	1	0	1	1	1	1	1	2	2	1
31	2	3	3	3	2	2	1	1	1	1	2	1	2	1	1	0	0	0	0	0	0	0	0	0	1
MEAN	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	1	0	0	0.4

PERCENTAGE OF DATA VALID - 80.1      PERCENTAGE OF DATA INVALID - 1.2      PERCENTAGE OF DATA UNAVAILABLE - 18.7

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2.    \*\* INDICATES DATA IS UNAVAILABLE  
 3.    \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT					UNITS - 0.01 PARTS/MILLION				
STATION - WC NO 22086					CHEAPSIDE RD.3 KM S OF HWY 3. NANTICOKE				
MONTH	NO OF DAYS		AVERAGE CONCENT		24-HOUR MAXIMUM		MAXIMUM READING		
JAN	18		0.3		1		7		
FEB			DATA UNAVAILABLE						
MAR			DATA UNAVAILABLE						
APR			DATA UNAVAILABLE						
MAY			DATA UNAVAILABLE						
JUN	2		0.4		0		1		
JUL	31		0.1		1		7		
AUG	31		0.1		1		4		
SEP	30		0.2		1		3		
OCT	31		0.2		2		5		
NOV	30		0.1		1		4		
DEC	24		0.4		1		7		
YEAR	197		0.2		2		7		

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22086 CHEAPSIDE RD.3 KM S OF HWY 3, NANTICOKE

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	440	3	0	0	0	0	0	443
FEB	DATA UNAVAILABLE							
MAR	DATA UNAVAILABLE							
APR	DATA UNAVAILABLE							
MAY	DATA UNAVAILABLE							
JUN	61	0	0	0	0	0	0	61
JUL	741	1	0	0	0	0	0	742
AUG	741	0	0	0	0	0	0	741
SEP	717	0	0	0	0	0	0	717
OCT	738	0	0	0	0	0	0	738
NOV	711	0	0	0	0	0	0	711
DEC	592	4	0	0	0	0	0	596
YEAR	4741	8	0	0	0	0	0	4749

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT  
OF DATA  
VALIDCONCENTRATIONS  
FREQUENCY DISTRIBUTION, PERCENT

DATA ALID	MIN	10	30	50	70	90	95	98	99	Max	ARITH MEAN
80.8	0	0.0	0.0	0.0	0.0	0.3	0.8	1.5	2.3	7	0.2

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29008 NORTH PARK HAMILTON

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	0
2	1	1	0	0	0	0	2	3	4	6	9	10	10	11	7	8	9	8	6	6	5	4	5	5	5
3	4	3	3	4	4	7	10	16	16	13	13	12	11	10	11	10	15	13	9	8	11	10	10	10	10
4	7	7	7	7	9	10	16	29	22	20	20	19	17	19	18	15	17	18	13	10	9	9	11	14	14
5	10	5	6	9	11	16	21	4	7	33	52	46	32	****	****	5	5	****	****	****	8	14	19	17	17
6	****	****	****	****	****	****	****	****	****	****	****	0	0	0	0	0	0	0	0	0	0	0	0	0	****
7	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	6	2	0	0	1	5	6	7	5	8
8	7	5	5	5	4	2	0	0	4	8	7	7	9	13	16	18	15	15	13	11	11	8	6	7	8
9	4	1	1	1	1	1	4	7	8	8	8	8	8	3	6	7	8	9	6	5	2	1	2	3	5
10	3	1	1	1	1	1	1	1	2	2	1	1	1	1	2	3	6	6	3	2	1	1	2	2	2
11	1	2	2	2	2	3	7	11	12	12	11	12	13	13	12	12	15	12	11	8	8	9	7	6	9
12	7	7	5	5	5	9	16	24	31	****	25	24	20	17	22	25	25	22	20	22	26	22	23	31	19
13	17	6	15	3	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	1	1	2	0	0	0	1	4	6	6	5	4	5	6	6	6	6	6	6	7	6	6	6	8	4
16	5	3	3	3	3	5	12	20	26	24	21	19	14	17	18	18	20	21	15	13	12	12	14	14	14
17	14	8	9	13	12	0	0	1	2	4	7	5	3	1	0	0	0	0	0	0	0	0	0	0	3
18	0	0	0	0	0	0	0	0	0	0	0	0	0	10	26	14	2	2	2	4	21	27	31	30	7
19	17	12	9	9	10	13	38	59	66	69	49	4	2	0	0	0	1	3	5	4	4	3	0	16	16
20	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	1	0	0	0	0	0	0	0	0
21	0	0	0	0	0	1	4	8	8	9	11	18	12	10	9	10	8	8	8	7	9	7	7	6	7
22	4	2	5	3	1	1	7	8	6	8	8	8	9	10	10	10	10	9	10	9	9	8	10	7	7
23	8	6	8	7	8	9	16	24	24	22	23	23	18	19	20	21	23	27	18	14	11	10	11	12	16
24	10	6	7	7	7	7	13	22	29	27	23	23	25	24	25	29	26	22	16	10	9	10	11	13	17
25	12	10	7	8	11	11	34	47	15	5	8	10	9	6	3	1	1	1	0	1	0	1	1	1	8
26	1	1	1	1	1	1	9	8	6	5	2	1	0	0	0	0	0	0	0	1	2	1	***	2	2
27	****	0	0	0	2	3	2	4	4	6	6	4	3	4	4	4	5	5	3	6	5	5	4	7	4
28	7	5	2	1	2	4	5	6	8	10	13	11	6	9	8	8	9	12	13	10	12	8	5	1	7
29	0	0	1	2	1	1	2	2	2	4	5	6	7	8	9	8	8	7	7	8	14	11	11	10	6
30	6	3	3	6	5	7	14	23	41	21	15	14	12	12	15	17	20	18	13	9	7	8	6	9	13
31	8	6	5	6	6	7	15	22	23	21	17	17	16	19	17	16	16	17	16	12	10	8	8	6	13
MEAN	5	3	4	3	4	4	8	12	13	12	12	10	9	8	9	9	9	9	7	6	7	7	7	8	7.6

PERCENTAGE OF DATA VALID - 97.3

PERCENTAGE OF DATA INVALID - 2.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY











ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 29008														MONTH - OCT 78										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
HOUR	DAY																							
1																								
2																								
3																								
4																								
5																								
6																								
7																								
8																								
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15																								
16																								
17																								
18																								
19																								
20																								
21																								
22																								
23																								
24																								
MEAN																								

PERCENTAGE OF DATA VALID - 81.9 PERCENTAGE OF DATA INVALID - 18.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. \*\* INDICATES DATA IS UNAVAILABLE  
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT										UNITS - 0.01 PARTS/MILLION															
		STATION - WC NO 29008					NORTH PARK HAMILTON					MONTH - NOV 78															
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1		4	0	0	0	0	0	1	4	4	4	3	1	0	0	0	0	0	18	22	16	11	11	13	14	5	
2		10	10	9	8	8	9	12	21	21	18	14	13	14	12	13	16	18	19	20	16	14	16	17	16	14	
3		15	13	15	14	5	11	24	33	25	8	6	2	1	2	3	3	2	1	0	0	1	3	9	15	9	
4		15	13	10	9	4	4	5	13	17	17	15	14	14	14	9	8	11	14	9	11	13	10	9	11	11	
5		11	10	10	5	3	4	4	4	4	4	4	6	9	9	8	8	11	10	9	6	5	5	5	7	7	
6		3	3	2	1	1	3	9	16	17	***	0	29	26	29	28	26	29	18	13	15	11	11	7	8	14	
7		5	3	1	3	5	8	17	15	2	0	0	0	0	0	0	0	0	2	3	1	1	0	6	4	3	
8		2	5	7	10	6	11	25	30	42	33	25	20	19	17	19	18	19	19	18	15	12	10	10	9	17	
9		8	6	5	5	4	5	10	18	21	19	14	11	13	15	14	17	18	18	15	16	11	13	14	17	13	
10		14	12	13	8	6	4	5	4	4	9	9	5	2	1	0	0	0	0	0	0	0	0	0	0	4	
11		0	0	0	4	5	8	11	10	13	12	11	12	13	11	10	9	11	14	17	1	0	0	0	0	7	
12		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	
13		0	0	0	0	0	0	0	0	0	0	0	0	0	9	8	10	11	10	8	7	5	6	7	5	8	
14		5	7	3	1	2	2	3	7	11	17	11	13	12	9	19	19	21	27	27	26	20	17	16	14	19	15
15		4	3	2	3	3	5	9	17	19	15	16	19	22	10	0	0	0	0	0	0	0	0	0	0	2	
16		14	9	5	5	1	0	0	1	7	3	1	0	0	0	2	9	14	13	11	10	8	7	6	5	6	4
17		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18		4	4	4	3	2	2	3	4	6	8	9	8	8	8	9	9	8	9	11	10	8	6	6	7	7	
19		7	5	5	3	2	2	4	5	2	1	3	5	6	8	8	7	8	8	9	7	9	11	11	13	6	
20		8	4	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	1	2	2	1	1	1	0	1	
21		0	0	0	0	0	0	1	1	2	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22		0	0	0	0	1	3	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	0	
23		2	2	2	1	2	2	1	2	1	2	1	2	3	9	18	14	14	13	12	12	11	11	11	10	7	
24		7	7	4	2	3	6	13	15	16	14	12	10	10	10	10	10	10	12	12	9	8	7	5	4	9	
25		3	2	2	1	0	0	2	5	7	9	11	12	5	12	7	0	0	0	0	0	3	1	0	0	3	
26		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
27		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	1	0	
28		1	2	0	1	6	4	10	20	19	16	17	17	13	11	13	15	15	14	14	10	8	8	10	10	11	
29		6	5	4	6	8	8	14	25	38	38	26	18	15	14	16	19	20	20	14	8	8	8	8	7	15	
30		6	8	9	6	5	6	7	8	11	10	10	10	8	8	9	10	12	11	10	12	9	11	11	11	9	
MEAN		5	4	4	3	3	4	6	9	10	9	8	8	7	7	8	8	9	9	9	7	6	6	6	7	6.7	

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. \*\* INDICATES DATA IS UNAVAILABLE  
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT											UNITS - 0.01 PARTS/MILLION														
STATION - WC NO 29008 NORTH PARK HAMILTON											MONTH - DEC 78														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	10	6	6	7	8	8	11	18	22	19	20	21	23	17	16	17	21	20	15	17	13	12	10	8	14
2	5	4	2	1	0	1	2	4	8	10	9	9	10	8	8	9	9	7	0	0	0	1	1	2	5
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9	11	3	4	12	6	2
4	4	3	3	3	4	6	8	11	15	13	10	11	10	10	11	11	14	14	12	10	8	7	8	7	9
5	5	6	4	3	3	4	8	11	13	14	****	****	12	15	16	17	19	18	17	14	11	9	10	9	11
6	9	9	8	8	8	10	18	27	26	25	17	17	15	16	16	18	21	23	20	13	8	9	10	13	15
7	10	5	1	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	1	1	1	2	17	12	2
8	4	8	16	9	8	9	15	27	28	26	28	25	24	27	12	2	7	4	8	15	16	11	12	3	14
9	0	0	0	0	0	1	0	1	9	13	15	12	11	10	9	6	7	7	9	9	8	7	5	6	6
10	5	5	5	4	3	2	3	4	4	4	5	6	6	6	7	7	8	10	9	9	10	10	10	10	6
11	9	6	6	5	6	7	12	22	25	21	18	16	16	22	23	34	33	32	20	18	15	12	9	11	17
12	11	10	8	8	7	6	12	17	20	17	16	17	17	16	14	16	23	23	15	13	11	10	8	7	13
13	6	4	4	6	5	6	9	13	14	****	14	16	14	14	13	14	15	15	12	10	7	4	3	3	10
14	2	1	1	1	1	2	7	12	19	15	13	13	12	14	16	16	19	16	14	12	9	8	7	7	10
15	6	5	5	5	6	8	12	16	18	17	14	15	13	13	14	14	17	17	13	12	11	14	13	12	12
16	13	12	11	11	8	8	13	15	14	25	16	15	14	17	16	17	21	31	31	20	11	7	5	8	15
17	10	10	8	1	1	****	****	1	1	****	****	3	4	6	6	****	6	4	4	4	4	5	5	8	5
18	4	****	****	2	2	4	12	23	25	20	19	16	14	17	3	1	1	0	0	6	8	11	10	11	10
19	7	3	2	2	2	5	14	26	30	23	23	21	26	27	34	3	16	37	14	9	1	3	1	2	14
20	2	2	0	0	0	0	0	0	****	0	0	0	0	****	0	0	0	0	0	0	1	1	9	17	1
21	14	9	9	9	8	9	11	11	10	****	8	9	10	9	11	13	17	13	11	11	10	11	10	7	10
22	9	9	6	5	4	****	13	19	30	35	18	16	15	17	19	15	15	13	14	10	12	12	10	9	14
23	6	7	5	5	3	4	6	8	12	11	12	9	9	9	13	14	14	15	22	24	28	30	28	26	13
24	19	14	8	6	1	4	2	****	****	0	0	0	6	2	1	2	1	****	0	****	0	0	0	0	3
25	0	0	0	0	1	1	1	2	3	5	4	3	4	4	4	3	5	4	****	4	6	8	5	****	3
26	4	1	2	1	****	3	4	7	8	10	12	12	14	13	14	13	12	12	12	11	10	11	9	9	9
27	7	6	3	1	2	5	9	13	17	15	16	14	12	9	12	14	15	13	10	11	9	8	8	10	10
28	10	3	5	2	1	3	****	12	17	26	17	1	0	0	2	3	****	14	25	5	3	3	1	1	7
29	12	2	****	****	0	0	7	****	15	3	4	4	1	1	1	1	1	1	1	1	1	1	1	1	3
30	1	1	1	****	1	1	1	5	11	5	3	2	1	****	1	3	3	4	****	4	11	11	16	14	5
31	15	13	12	4	****	****	8	6	7	6	8	9	9	10	11	5	3	2	2	****	2	2	3	2	7
MEAN	7	5	5	4	3	4	8	11	15	14	12	10	10	11	10	10	11	12	11	10	8	8	8	8	9.0

PERCENTAGE OF DATA VALID - 95.7 PERCENTAGE OF DATA INVALID - 4.3 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. "-" INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT											UNITS - 0.01 PARTS/MILLION			
STATION - WC NO 29008 NORTH PARK HAMILTON														
MONTH	NO OF DAYS		AVERAGE CONCENT		24-HOUR MAXIMUM		MAXIMUM READING							
JAN	30		7.6		19		69							
FEB	28		9.7		24		52							
MAR	31		6.5		15		46							
APR	30		4.2		13		39							
MAY	26		3.7		10		40							
JUN	25		6.9		15		27							
JUL	27		6.9		14		28							
AUG	31		5.8		14		32							
SEP	24		5.1		13		37							
OCT	25		10.9		19		49							
NOV	30		6.7		17		42							
DEC	31		9.0		17		37							
YEAR	338		6.9		24		69							

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29008 NORTH PARK HAMILTON

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	349	191	123	46	7	4	4	724
FEB	256	167	167	53	18	7	1	669
MAR	419	122	152	31	8	1	0	733
APR	509	90	98	18	1	0	0	716
MAY	470	68	57	22	4	0	0	621
JUN	317	158	170	5	0	0	0	650
JUL	328	171	154	16	0	0	0	669
AUG	438	142	143	17	1	0	0	741
SEP	377	85	99	13	3	0	0	577
OCT	196	131	196	69	15	2	0	609
NOV	379	146	167	22	4	1	0	719
DEC	266	176	219	43	8	0	0	712
YEAR	4304	1647	1745	355	69	15	5	8140

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	CONCENTRATIONS FREQUENCY DISTRIBUTION, PERCENT										ARITH MEAN
	MIN	10	30	50	70	90	95	98	99	MAX	
92.9	0	0.0	0.7	4.4	9.1	16.5	20.6	25.8	30.6	69	6.9

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	1	1	1	3	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1
3	0	0	0	0	0	0	2	3	4	4	2	2	2	3	2	2	3	3	2	2	2	2	2	1	2
4	1	1	1	0	1	2	5	9	6	4	5	4	4	3	4	5	5	4	2	1	1	3	3	3	3
5	2	2	2	2	2	10	12	8	17	10	8	9	3	9	14	19	18	6	14	6	3	4	5	8	2
6	8	1	0	0	0	0	2	3	2	1	1	2	2	2	2	2	2	1	1	1	1	2	1	2	5
7	2	2	2	2	1	2	2	2	2	2	4	5	5	5	7	9	8	6	6	8	9	8	7	8	5
8	8	8	12	10	17	15	15	17	2	1	1	2	2	3	4	6	7	6	6	5	4	3	2	1	7
9	0	0	0	0	0	0	0	1	1	1	1	1	1	2	1	1	2	1	0	0	0	0	0	1	1
10	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	1	1	2	2	2	2	2	3	3	2	3	4	2	1	1	1	1	1	1
12	1	1	0	0	0	1	3	7	11	8	5	5	4	4	6	8	9	9	10	10	12	8	6	6	6
13	5	6	5	2	2	4	7	6	4	***	6	6	6	5	6	6	5	5	4	4	5	8	10	5	5
14	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	0	0	0	0	0	0
16	0	0	0	0	0	0	2	4	5	5	6	5	3	4	3	5	8	5	3	2	2	2	5	6	3
17	8	5	5	4	5	1	0	1	2	3	5	9	8	6	6	2	1	2	4	9	12	8	6	4	5
18	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	13	26	15	23	4
19	23	20	17	14	12	8	17	18	14	22	11	8	1	1	1	1	2	2	3	3	3	3	3	3	9
20	1	0	1	1	2	1	2	4	7	8	4	3	2	1	1	1	0	0	0	0	0	0	0	0	2
21	0	0	0	0	0	0	0	1	0	0	0	0	1	2	2	2	2	2	2	3	3	3	2	3	1
22	1	1	2	1	1	3	2	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1
23	1	1	1	1	1	1	2	6	6	6	4	5	4	4	4	6	8	7	4	2	2	1	1	1	3
24	1	1	1	1	1	1	3	7	11	7	5	6	6	7	6	7	8	6	2	2	2	3	4	4	4
25	2	2	1	1	1	2	10	10	13	10	11	10	11	9	11	7	5	9	6	6	8	5	2	2	6
26	2	4	6	5	2	2	3	5	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	2
27	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	1	1	0	0	0	0	1	0
28	0	0	0	0	0	0	1	3	4	3	2	1	1	1	1	1	2	3	2	1	0	0	0	1	0
29	0	0	0	0	0	0	0	1	1	2	1	0	0	0	0	0	1	1	1	1	0	0	0	1	0
30	1	0	0	0	0	0	2	1	1	2	2	2	2	2	2	3	5	4	2	1	1	2	1	2	2
31	1	1	0	0	0	0	2	4	6	4	2	***	3	3	3	4	4	4	3	2	1	0	0	0	2
MEAN	2	2	2	1	2	1	3	4	4	4	3	3	3	2	3	3	4	3	2	3	3	3	2	3	2.7

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY













POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON														MONTH - DEC 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	0	1	1	0	3	9	11	8	8	9	9	9	6	9	16	14	8	7	5	6	6	4	6
2	2	1	0	0	0	0	1	1	1	2	2	1	0	0	1	0	2	1	0	0	1	2	2	5	1
3	1	1	0	0	0	0	0	0	0	0	0	0	1	2	5	11	14	17	16	14	20	17	3	2	5
4	1	0	0	1	0	0	2	4	5	3	2	2	2	2	2	3	4	3	1	1	2	1	2	1	2
5	2	0	0	0	0	0	1	2	3	***	2	2	2	***	2	3	6	5	3	4	3	1	2	2	2
6	2	2	2	2	2	2	6	11	15	9	4	3	4	6	6	6	10	10	7	5	3	3	3	4	5
7	1	0	0	0	0	1	2	4	7	2	2	6	3	3	4	5	6	6	7	8	8	3	8	12	4
8	14	15	12	4	3	4	7	12	9	7	8	4	5	4	2	3	4	1	1	1	2	1	0	0	0
9	0	0	0	0	0	0	0	0	1	1	1	1	1	2	1	2	1	2	1	1	1	0	0	0	1
10	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	2	1
11	1	1	1	1	0	1	4	8	10	****	6	5	6	6	10	15	9	10	6	5	4	3	3	3	5
12	2	1	1	1	1	1	2	4	5	3	3	2	3	2	3	5	11	6	4	5	3	2	2	1	3
13	1	1	1	0	0	0	1	1	1	1	2	3	2	3	1	1	3	2	1	1	1	0	0	0	1
14	0	0	0	0	0	0	2	4	7	3	2	1	2	2	2	2	5	2	1	2	1	1	1	1	2
15	0	0	0	0	0	0	1	2	2	3	2	1	2	2	2	3	4	3	2	2	3	3	3	4	2
16	4	4	2	1	1	1	3	5	6	9	5	5	6	6	6	7	11	10	12	7	5	4	2	2	5
17	2	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	2
18	0	0	0	0	0	0	3	7	8	5	6	4	3	1	0	0	1	0	0	0	0	0	0	1	2
19	1	1	0	0	0	0	1	4	8	3	2	2	1	1	2	9	11	7	1	0	0	0	1	3	2
20	3	5	1	2	0	1	1	1	2	1	***	***	6	7	7	9	6	4	3	4	8	8	10	9	4
21	4	4	3	1	1	1	1	2	2	1	1	2	1	1	2	3	4	5	4	4	4	3	3	2	2
22	1	2	1	1	0	1	3	8	10	10	5	6	6	4	4	3	4	3	3	2	3	2	1	1	4
23	1	1	1	0	0	0	0	1	2	2	3	2	2	2	2	3	6	15	18	26	20	24	33	28	8
24	21	21	19	10	8	8	9	6	7	8	6	3	3	2	2	2	3	3	2	1	2	3	2	2	6
25	4	3	3	3	2	1	1	2	2	2	1	0	1	1	1	1	1	0	0	0	0	0	0	0	1
26	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1
27	0	0	0	0	0	0	1	2	3	3	3	3	3	2	3	3	4	3	2	1	1	1	1	1	2
28	1	1	1	1	0	1	2	5	9	****	3	1	2	1	4	2	13	5	7	3	1	2	1	1	3
29	4	6	2	0	0	0	0	2	2	4	7	10	6	6	7	5	3	1	1	1	2	1	1	1	3
30	2	2	3	5	4	5	6	10	11	9	11	12	10	14	16	23	25	23	21	10	15	17	28	17	12
31	15	15	16	8	12	9	8	11	8	8	6	8	9	9	11	16	15	18	22	9	13	13	15	5	12
MEAN	3	3	2	1	1	1	2	4	5	4	3	3	3	3	4	5	7	6	5	4	4	4	4	4	3.6

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.8 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

# ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	2.7	9	26
FEB	28	2.0	8	39
MAR	29	1.6	5	24
APR	30	1.7	6	21
MAY	31	2.4	5	16
JUN	30	2.9	13	23
JUL	31	2.0	5	17
AUG	31	2.4	5	21
SEP	29	3.1	13	42
OCT	31	3.5	12	51
NOV	30	4.5	15	60
DEC	31	3.6	12	33
YEAR	362	2.7	15	60

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29025

BARTON/WENTWORTH HAMILTON

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	619	90	29	4	0	0	0	742
FEB	605	41	10	5	2	0	0	663
MAR	655	36	17	1	0	0	0	709
APR	651	35	24	1	0	0	0	711
MAY	649	65	23	0	0	0	0	737
JUN	625	66	20	4	0	0	0	715
JUL	692	35	13	0	0	0	0	740
AUG	662	53	21	1	0	0	0	737
SEP	606	47	30	10	8	1	0	702
OCT	598	98	29	11	2	1	1	740
NOV	527	109	65	8	3	1	1	714
DEC	575	104	47	11	1	0	0	738
YEAR	7464	779	328	56	16	3	2	8648

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT  
OF DATA  
VALID

98.7

0

0.0

0.1

0.9

2.2

6.3

9.7

15.0

19.3

60

2.7

CONCENTRATIONS  
FREQUENCY DISTRIBUTION, PERCENT

MAX

ARITH  
MEAN

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31001

67 COLLEGE ST FIFTH FLOOR TORONTO

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	4	3	3	2	2	2	2	2	2	2	2	2	2	2	1	2	2	1	1	1	1	1	1	2
2	1	0	1	1	1	1	1	2	3	2	3	2	1	1	2	2	2	2	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	3	4	5	***	-	4	3	3	2	3	3	3	3	5	4	3	3	3
4	2	1	1	1	1	2	2	5	3	4	4	4	4	4	4	4	4	4	5	4	2	2	3	3	3
5	1	1	1	0	0	1	1	3	5	4	6	5	4	4	6	8	6	5	4	4	9	10	9	4	4
6	4	2	1	1	1	1	2	2	4	4	4	5	4	4	4	5	4	3	3	6	5	4	2	2	3
7	3	4	3	2	2	2	2	2	2	2	4	6	9	9	8	6	7	6	6	6	4	3	4	5	4
8	4	4	3	3	2	2	2	3	3	3	4	4	2	2	3	3	4	8	9	6	5	3	2	1	4
9	1	1	0	0	0	1	1	1	1	1	1	1	1	2	2	1	2	2	1	1	1	1	1	1	1
10	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	2	4	***	3	3	3	2	2	2	2	4	4	2	2	1	2
12	1	1	1	1	1	0	1	2	7	8	10	***	3	3	13	11	9	9	6	6	7	13	7	6	5
13	9	8	7	3	1	1	1	2	6	9	8	7	6	7	6	7	7	6	5	3	3	3	2	5	5
14	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1	1	1	2	1
15	1	1	1	1	0	0	1	2	2	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	2	4	4	4	3	3	3	3	2	2	2	2	3	3	4	5	4	3
17	5	6	4	5	3	2	3	7	12	14	12	8	6	6	5	5	4	3	3	2	2	2	2	1	5
18	1	1	1	1	1	1	1	2	2	3	3	3	3	3	3	2	3	5	6	6	4	5	5	6	3
19	5	6	7	8	7	8	8	11	14	19	12	16	9	***	3	5	7	8	8	8	5	5	3	8	8
20	2	1	1	1	1	1	1	2	4	3	3	3	3	3	3	3	2	3	2	2	2	1	1	1	2
21	1	1	1	1	1	1	1	1	1	2	3	2	3	3	2	2	3	3	2	4	7	9	15	11	3
22	14	15	12	8	4	2	2	4	3	3	4	4	3	2	2	2	2	2	2	1	1	1	1	1	4
23	1	1	1	1	1	1	2	5	7	10	9	6	5	5	3	3	3	3	2	2	6	3	2	4	4
24	3	2	2	3	4	3	2	5	10	8	6	6	5	4	5	4	5	3	3	2	1	2	2	2	4
25	3	2	3	2	2	2	3	6	13	25	20	14	13	12	11	9	9	5	3	3	2	1	1	1	7
26	1	1	1	1	1	0	2	2	1	1	***	1	1	1	1	1	1	1	0	0	0	0	0	1	1
27	1	1	1	1	1	1	1	1	1	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1
30	2	3	2	1	1	1	1	3	5	7	3	3	3	2	2	2	2	3	4	2	1	1	1	1	2
31	1	1	0	0	1	1	1	3	4	3	4	4	***	3	2	3	2	2	1	2	1	1	1	1	2
MEAN	3	2	2	2	1	1	2	3	4	5	5	4	4	3	3	3	3	3	3	3	3	3	3	2	3.0

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY







ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION									
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO															MONTH - JUN 78									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	1
2	1	1	2	1	1	2	5	11	8	7	2	1	1	1	1	1	1	0	0	1	1	2	1	2
3	0	0	0	0	0	0	0	1	1	1	1	1	0	0	1	1	0	0	0	0	1	1	1	0
4	2	2	3	5	3	2	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	0	1	1
5	1	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	1	1	0	1	1	2	4	1
6	2	2	4	2	4	5	4	4	4	4	3	2	3	2	2	2	2	1	2	2	3	5	2	0
7	2	2	1	1	2	1	5	9	5	3	7	7	5	4	3	4	3	2	2	3	2	2	2	3
8	2	2	2	1	1	2	2	3	5	3	2	1	1	1	1	1	1	1	1	1	1	1	1	2
9	1	0	0	0	0	1	2	2	1	1	0	1	1	1	1	0	0	0	0	1	1	1	2	1
10	1	1	1	4	4	4	3	3	1	1	1	1	1	0	0	1	1	1	1	2	4	3	2	2
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	1	1	1	1	1	0	0	1	1	1	0	1	1	0	0	0	0	0
13	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
14	0	0	0	0	0	1	2	2	1	1	1	1	0	0	1	1	1	0	1	0	0	2	2	1
15	0	0	0	0	0	0	2	2	1	1	1	1	1	1	0	1	0	0	0	0	1	1	2	5
16	5	7	3	1	1	2	4	6	2	1	1	1	1	0	0	1	1	0	0	1	1	1	1	2
17	2	2	2	1	1	0	1	2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1
18	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	2	4	5	3	3	3	2	1	1	1	0	0	0	0	0	1	2	1
20	4	3	2	1	1	1	3	4	2	1	2	2	1	1	1	0	0	0	0	0	0	0	1	1
21	1	0	1	1	1	1	2	2	5	12	5	2	1	2	2	1	1	1	1	0	0	1	1	2
22	1	0	0	0	0	1	1	2	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0
23	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	3	4	1
24	4	2	2	1	0	0	1	1	3	2	1	0	0	0	1	1	1	1	1	1	1	2	5	1
25	5	2	16	12	10	7	7	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3
26	0	0	0	0	0	0	1	2	2	3	3	1	1	0	0	0	0	0	0	0	0	0	0	0
27	0	0	1	1	1	1	4	5	4	2	2	1	1	0	0	0	0	0	0	0	0	0	0	1
28	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	2	0	0
29	1	1	0	0	0	0	1	1	1	0	3	1	0	1	1	1	1	1	1	1	0	1	0	1
30	0	0	0	0	0	0	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
MEAN	1	1	1	1	1	1	2	3	2	2	2	1	1	1	1	1	1	1	0	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION											
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO													MONTH - JUL 78											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	2	4	6	
2	4	2	2	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	0
3	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1
4	0	0	0	0	0	0	1	1	1	0	0	0	1	1	1	0	1	0	1	1	2	3	5	1
5	4	3	4	4	4	8	7	17	9	4	3	2	1	1	1	1	1	1	0	0	0	0	0	3
6	1	1	1	1	1	1	3	4	3	3	1	1	1	1	1	1	1	0	0	0	1	0	0	1
7	0	0	0	0	0	0	1	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	1	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	1	0	0	0	0	1	1	0	1	1	1	1	1	0	1	1	1	0	1	1	1	0
10	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	0	0	0	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	
12	1	0	1	0	0	2	5	5	3	6	3	2	1	1	1	1	1	1	1	0	0	1	1	2
13	0	2	1	0	0	1	1	1	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0	1
14	0	0	0	0	0	0	1	1	2	3	1	1	0	1	1	1	1	1	0	0	0	0	0	1
15	1	2	2	1	2	3	2	1	2	1	1	1	0	0	0	0	0	0	0	0	1	1	1	0
16	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	1	0	1	1	2	2	1
17	1	0	0	0	0	1	2	2	2	3	1	0	0	1	1	1	1	1	0	1	1	2	1	
18	1	2	1	1	1	2	4	3	4	6	2	2	1	1	1	1	1	1	1	0	0	1	1	2
19	0	0	0	0	0	0	4	6	4	3	2	2	1	1	1	1	1	1	1	0	1	2	3	1
20	0	0	0	0	0	0	2	1	1	2	1	0	1	1	1	1	1	0	0	0	0	1	1	1
21	1	1	1	1	1	2	4	4	3	3	3	2	1	1	3	1	2	1	0	0	0	1	3	2
22	5	6	6	3	2	2	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
23	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	0	1	1	1	1	3	4	6	5	2	2	2	2	2	2	2	2	2	2	1	1	2	2	1
25	2	1	4	5	3	4	9	6	3	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2
26	0	0	0	0	0	0	2	3	3	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1
27	1	0	0	0	0	0	3	2	2	2	2	4	3	2	1	2	1	1	2	4	2	1	1	2
28	0	0	0	0	0	1	3	3	2	2	2	2	1	2	3	1	2	1	0	1	1	5	4	2
29	6	6	3	1	1	1	1	1	1	1	1	1	1	1	2	4	1	1	1	1	1	1	1	2
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	6	5	1
31	3	2	1	1	1	1	2	3	2	2	2	2	1	1	2	2	2	1	1	1	1	2	4	2
MEAN	1	1	1	1	1	1	2	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	1.2

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY





POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO															MONTH - DEC 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	1	1	1	1	1	4	4	8	8	6	11	8	7	3	4	11	8	4	4	4	2	2	4
2	1	0	0	0	0	1	1	1	2	2	2	2	1	1	1	1	2	2	5	5	6	4	5	2	
3	4	4	4	3	2	1	1	1	1	1	1	1	1	2	2	2	3	2	2	3	4	6	4	2	
4	1	2	2	1	1	1	1	2	4	3	2	2	2	2	2	2	3	2	2	1	1	1	2	2	
5	1	1	1	1	1	1	1	4	6	5	3	3	3	5	4	4	5	3	4	3	3	2	1	3	
6	2	1	1	1	1	2	3	7	13	5	4	4	4	2	2	2	3	3	2	2	1	1	1	3	
7	1	0	0	1	1	0	2	3	4	3	3	2	2	2	2	2	2	2	3	3	3	3	4	6	
8	8	7	5	6	7	6	7	9	11	6	4	4	3	3	4	6	4	4	3	3	2	1	3	5	
9	1	1	1	1	1	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
10	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
11	1	0	0	0	0	1	3	5	8	6	7	4	4	6	6	3	4	5	5	4	3	2	1	2	
12	2	3	2	2	2	1	2	3	6	6	3	2	2	3	4	6	5	3	2	1	1	1	1	3	
13	1	1	1	1	1	1	1	3	3	2	3	3	3	2	1	1	2	2	1	1	1	1	1	2	
14	0	0	0	0	0	0	0	2	5	4	4	2	2	2	3	3	6	7	6	8	6	5	3	1	
15	1	1	1	2	2	2	3	3	5	4	4	3	3	3	4	5	6	5	4	3	6	8	7	2	
16	2	1	1	1	2	2	3	4	5	6	6	4	4	3	5	4	4	4	4	6	4	3	3	2	
17	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18	0	0	0	0	0	0	1	4	8	5	3	2	4	3	2	3	2	2	2	2	2	1	1	2	
19	0	0	0	0	0	0	0	2	5	3	2	2	2	2	2	1	2	3	2	2	2	1	2	4	
20	5	4	3	3	2	1	1	1	2	3	2	2	2	2	3	3	2	2	2	2	3	3	4	3	
21	4	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	2	2	1	1	1	
22	1	2	1	1	1	1	1	2	5	4	3	2	3	3	3	3	3	4	2	2	3	1	1	2	
23	0	0	0	0	0	0	0	1	2	2	1	1	1	1	1	1	1	2	5	3	2	5	4	5	
24	6	8	6	2	1	1	1	1	1	1	1	1	1	2	2	1	2	1	1	1	1	1	1	2	
25	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	
26	0	0	0	0	0	0	0	0	0	0	1	2	1	2	1	1	1	1	1	1	1	1	1	1	
27	1	1	0	0	0	0	1	1	2	4	1	1	2	2	1	2	2	2	1	1	1	1	1	2	
28	1	0	1	1	1	1	1	5	4	2	3	2	3	2	3	4	6	7	8	8	6	3	2	3	
29	3	2	2	1	2	2	3	6	12	13	4	12	5	2	2	3	2	6	6	3	1	1	2	4	
30	3	1	1	1	1	1	1	1	2	1	2	2	2	2	2	3	4	4	4	6	8	5	8	7	
31	7	5	3	4	3	3	3	4	5	4	4	4	5	4	3	4	3	4	3	3	4	3	3	4	
MEAN	2	2	1	1	1	1	1	3	4	4	3	2	2	2	2	2	3	3	3	3	3	2	2	2	

PERCENTAGE OF DATA VALID - 98.4

PERCENTAGE OF DATA INVALID - 1.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	3.0	8	25
FEB	28	2.4	6	14
MAR	31	2.0	7	26
APR	30	1.5	4	18
MAY	31	1.7	6	19
JUN	30	1.1	3	16
JUL	31	1.2	3	17
AUG	31	3.0	7	26
SEP	30	2.4	6	41
OCT	31	2.4	6	26
NOV	30	3.7	14	40
DEC	31	2.3	5	13
YEAR	365	2.2	14	41

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	636	79	22	1	0	0	0	738
FEB	611	45	8	0	0	0	0	664
MAR	682	41	12	4	0	0	0	739
APR	681	25	6	0	0	0	0	712
MAY	693	32	14	0	0	0	0	739
JUN	701	10	4	0	0	0	0	715
JUL	721	15	1	0	0	0	0	737
AUG	633	59	36	5	0	0	0	733
SEP	641	45	17	1	0	1	0	705
OCT	675	39	17	2	0	0	0	733
NOV	584	79	35	7	5	0	0	710
DEC	668	57	7	0	0	0	0	732
YEAR	7926	526	179	20	5	1	0	8657

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
98.8	0	0.0	0.3	0.8	1.8	4.5	7.0	10.8	13.5	41	2.2

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO

MONTH - JAN 78

STATION - C NO 31105	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	2	2	4	3	3	3	3	2	2	3	4	4	2	2	1	1	1	1	2
3	2	1	1	1	1	1	2	6	8	6	-	5	4	3	2	3	4	4	4	4	4	4	4	4	5
4	2	1	1	1	2	2	4	9	3	3	3	3	4	4	4	7	12	11	7	7	7	8	6	5	5
5	3	3	3	3	2	3	5	12	22	18	16	11	11	9	14	19	15	12	11	9	8	11	10	7	10
6	6	3	2	1	1	1	3	4	4	5	4	4	5	4	6	13	9	4	2	6	6	5	2	1	4
7	2	2	1	1	2	2	3	3	2	2	2	3	8	7	5	4	4	4	3	3	3	2	2	3	3
8	3	3	3	2	2	2	3	3	3	3	8	13	14	6	6	10	10	17	14	8	6	4	3	2	6
9	2	2	1	1	1	1	1	2	2	2	2	2	1	2	2	2	3	4	2	1	1	1	1	1	2
10	1	1	1	1	1	1	1	2	3	3	3	4	3	3	2	2	2	2	2	1	1	1	1	1	2
11	1	2	2	2	1	1	1	4	5	6	8	5	4	5	6	4	5	7	8	6	7	9	9	8	5
12	5	2	1	1	1	2	4	8	11	13	15	19	4	8	13	17	12	9	6	9	6	12	12	8	8
13	10	8	7	2	2	2	5	11	14	18	24	17	15	20	20	21	17	12	10	10	9	8	5	1	11
14	1	1	2	1	1	6	8	7	4	2	3	3	2	2	2	2	3	3	3	4	4	3	2	2	3
15	2	3	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2
16	3	1	1	1	1	1	1	3	12	15	9	6	7	8	9	8	11	7	5	4	5	7	11	8	6
17	6	9	8	6	4	5	9	13	19	17	11	8	7	5	6	6	6	5	5	4	2	1	1	2	7
18	2	1	2	1	1	1	4	7	9	8	8	8	6	6	6	8	10	11	11	9	8	8	9	9	6
19	8	8	11	12	12	21	33	47	48	30	27	14	8	12	11	14	11	10	9	10	7	6	4	16	6
20	1	1	1	1	1	1	2	6	9	14	18	13	14	13	14	10	5	3	3	2	2	2	3	4	6
21	5	5	4	4	4	3	4	4	4	4	5	6	6	4	3	3	5	5	5	9	10	16	20	14	6
22	12	14	23	19	9	4	1	3	5	7	7	5	4	4	4	5	6	4	5	5	4	4	4	4	7
23	3	3	3	3	2	2	4	8	11	12	10	10	3	3	4	5	5	7	8	6	5	4	4	5	5
24	5	4	1	2	3	3	7	11	13	14	5	5	5	5	6	8	11	14	5	4	3	3	4	9	6
25	15	9	6	4	4	5	18	44	36	31	27	15	15	12	12	9	4	3	2	2	2	2	2	2	12
26	1	2	2	1	1	2	3	5	4	2	1	1	1	2	5	1	1	1	1	1	1	2	2	1	2
27	2	2	2	2	1	2	2	3	6	8	5	5	5	5	4	6	5	4	4	3	2	2	3	2	3
28	1	1	1	1	2	2	1	2	2	2	2	2	2	3	3	2	2	2	3	5	3	3	3	4	2
29	2	2	2	2	2	2	2	3	2	2	3	2	2	2	2	1	2	2	2	2	3	2	3	3	2
30	4	4	3	2	2	2	4	7	8	9	4	4	4	3	2	3	3	4	5	4	3	3	3	4	4
31	2	1	1	1	1	2	5	8	12	9	6	7	6	6	5	5	5	7	6	3	1	1	2	1	4
MEAN	4	3	3	3	2	2	4	8	9	9	8	7	6	6	6	7	7	6	5	5	4	4	5	4	5.3

PERCENTAGE OF DATA VALID - 98.7

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO															MONTH - FEB 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	2	3	5	6	5	4	3	2	2	2	3	5	4	3	4	3	3	6	3
2	3	4	3	4	4	7	10	13	16	17	10	9	7	6	5	6	7	6	5	5	4	3	3	3	7
3	6	4	3	4	6	7	10	22	19	20	15	8	4	3	4	5	9	8	4	5	6	5	4	5	8
4	5	4	3	3	4	4	6	6	6	5	7	8	4	5	6	***	5	7	12	14	12	13	14	16	7
5	12	11	11	10	12	6	2	1	3	4	4	2	1	2	2	3	2	2	2	2	3	2	3	2	4
6	1	1	1	2	3	3	3	6	8	7	6	7	5	4	5	7	8	6	5	4	3	2	2	2	4
7	2	2	2	2	2	3	4	6	8	8	8	7	7	7	6	9	10	10	8	8	8	8	6	5	6
8	6	5	3	4	3	4	7	10	15	13	9	***	8	7	6	10	9	10	10	9	12	10	8	7	8
9	5	6	6	4	4	11	8	10	15	12	9	6	5	4	4	4	7	7	4	5	5	3	2	3	6
10	4	4	4	2	3	4	6	14	22	20	19	16	11	11	10	10	6	5	4	3	2	1	1	4	8
11	6	5	3	1	1	1	2	3	4	4	4	3	3	2	1	2	3	2	1	2	2	3	4	4	3
12	3	1	1	1	1	1	2	1	1	1	1	2	3	2	1	1	1	1	1	1	2	2	2	3	2
13	3	5	3	1	1	1	3	7	5	5	5	***	5	5	6	6	6	3	3	2	3	2	4	7	4
14	3	2	2	1	2	2	4	10	14	13	12	7	***	***	***	4	4	4	9	10	9	5	7	7	6
15	5	4	3	3	4	4	9	18	19	14	7	4	2	3	3	4	5	5	4	2	4	3	6	3	6
16	1	1	1	1	1	1	1	2	6	11	10	9	5	5	4	3	7	6	8	5	2	2	4	5	4
17	2	1	1	1	1	1	2	6	6	5	5	4	4	5	5	5	4	5	6	6	3	6	5	5	4
18	6	7	4	4	3	2	3	5	6	8	6	8	5	3	3	2	1	1	2	2	3	2	2	2	4
19	2	3	3	2	3	2	4	5	4	4	3	1	1	1	1	1	2	2	2	2	2	2	5	7	3
20	4	2	2	2	2	2	6	11	14	14	11	8	4	3	3	4	5	4	4	5	3	8	9	10	6
21	7	3	2	1	3	4	5	9	11	9	7	8	7	3	3	3	4	4	3	4	3	3	3	4	5
22	4	3	4	1	1	1	2	5	5	3	3	2	3	2	2	2	2	2	2	2	2	2	7	3	5
23	4	1	2	2	1	2	3	9	16	12	11	10	6	4	4	4	5	5	4	3	2	3	2	3	5
24	5	3	2	1	2	2	4	10	7	9	3	3	3	2	3	5	8	8	6	6	5	3	4	4	4
25	4	3	3	1	1	2	3	5	3	3	2	2	3	3	3	3	4	3	3	4	4	3	5	7	3
26	7	5	4	2	2	1	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2
27	4	3	2	2	2	3	3	6	5	3	3	***	3	2	3	3	3	4	2	2	1	1	2	3	4
28	2	4	5	2	2	2	5	13	16	16	8	4	4	3	2	4	6	9	7	5	2	1	2	2	5
MEAN	4	4	3	2	3	3	4	8	9	9	7	5	4	4	4	4	5	5	5	4	4	4	4	5	4.7

PERCENTAGE OF DATA VALID - 99.0 PERCENTAGE OF DATA INVALID - 1.0 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION											
STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO															MONTH - MAR 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	4	13	9	6	2	3	5	9	14	12	6	5	5	3	2	3	2	3	3	4	7	2	1	2	5	
2	2	1	1	2	1	1	1	5	14	9	4	2	1	2	2	3	2	2	5	2	2	2	3	3	3	
3	4	8	7	8	5	1	4	9	6	4	6	9	11	14	14	10	6	5	5	5	3	3	3	3	6	
4	5	3	2	1	1	1	2	1	2	2	2	2	2	2	1	1	1	1	1	1	2	2	1	2	2	
5	3	4	3	2	1	1	2	2	2	1	2	1	1	1	1	1	1	1	1	1	1	1	2	3	2	
6	1	1	1	1	1	2	8	9	11	17	16	***	10	7	8	4	3	3	3	4	4	4	3	2	5	
7	4	4	4	4	3	2	4	9	11	9	7	5	3	4	3	4	4	4	4	4	5	4	5	5	5	
8	2	2	2	2	3	5	8	17	18	9	5	5	4	4	6	5	6	6	6	4	6	9	18	26	7	
9	31	37	41	33	26	26	39	67	28	19	13	7	***	3	3	4	2	2	4	4	3	4	7	4	18	
10	2	3	2	2	3	5	20	23	25	16	9	10	5	3	3	3	4	4	6	17	10	6	9	10	8	
11	19	24	22	6	2	4	5	7	3	2	2	2	2	2	2	2	2	2	2	2	3	4	3	3	5	
12	3	2	2	1	1	1	2	2	2	3	2	2	2	2	2	2	2	2	2	4	4	5	10	6	3	
13	6	6	7	8	7	13	28	35	36	16	8	6	5	5	7	6	4	4	2	1	1	1	2	2	9	
14	2	2	1	1	1	1	3	5	11	13	14	16	5	4	7	6	3	3	3	2	2	2	2	2	5	
15	2	2	2	2	2	1	2	3	4	4	3	3	3	3	***	3	3	3	3	3	3	3	3	3	3	
16	3	3	3	3	2	2	6	13	16	9	8	8	7	7	7	7	6	6	5	4	3	3	3	3	6	
17	2	1	1	1	1	1	2	6	5	5	4	6	4	4	4	5	5	5	4	5	5	3	2	2	3	
18	2	2	1	1	1	1	2	3	2	3	3	4	2	2	2	2	2	1	1	1	1	1	1	1	2	
19	1	2	2	2	1	1	1	2	2	1	1	1	1	1	2	3	1	1	1	1	1	1	1	1	1	
20	2	2	1	1	1	2	5	12	8	6	5	***	4	5	3	4	3	3	2	1	1	1	1	2	3	
21	3	3	3	3	4	6	14	30	37	32	24	13	16	***	12	11	5	4	2	2	2	1	1	1	10	
22	2	2	2	1	1	1	3	9	8	***	4	4	5	7	8	9	10	12	8	8	10	10	9	8	6	
23	3	2	2	2	2	3	10	10	6	4	2	2	***	2	2	3	3	3	2	3	3	4	2	1	3	
24	2	2	2	1	1	1	1	1	1	1	1	1	3	2	2	2	2	2	2	2	3	3	3	3	2	
25	3	3	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
26	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	4	3	2	2	2	2	2	2	2	2	
27	2	2	2	2	3	3	5	9	10	10	7	7	8	8	6	5	5	4	4	4	3	2	3	2	5	
28	2	2	2	3	2	2	6	5	5	***	4	6	8	11	10	10	7	5	9	7	10	11	11	13	7	
29	8	5	3	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	3	3	2	2	2	3	
30	3	3	3	2	2	2	4	11	12	15	9	6	5	***	6	5	4	2	2	2	3	4	4	5	6	5
31	4	3	3	5	3	3	17	15	9	8	7	5	5	5	6	8	5	3	3	2	2	2	2	2	5	
MEAN	4	5	5	4	3	3	7	11	10	8	6	5	5	4	5	4	4	3	3	4	4	3	4	4	4.9	

PERCENTAGE OF DATA VALID - 98.8 PERCENTAGE OF DATA INVALID - 1.2 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY







ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION												
STATION - C NO 31105 HYDRO 55 SHERBOURNE/WILTON ST. TORONTO														MONTH - AUG 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	12	11	9	14	17	25	30	17	9	5	4	2	2	1	2	1	2	1	1	1	1	3	6	11	8	
2	16	16	6	11	11	21	30	25	10	3	2	2	1	1	1	2	4	3	1	2	1	2	3	1	7	
3	1	1	1	0	1	2	4	7	7	7	9	11	5	3	1	3	5	3	4	3	2	3	3	4	4	
4	2	2	1	2	2	2	4	7	3	6	9	6	5	4	5	6	3	2	2	1	2	3	11	12	4	
5	15	16	13	17	15	16	14	8	5	4	4	1	1	1	1	1	1	1	1	0	0	1	1	3	6	
6	6	6	7	8	10	13	14	8	3	3	3	4	5	3	1	1	1	1	1	1	1	6	11	16	6	
7	21	16	9	6	2	1	1	3	2	1	1	1	1	1	1	1	1	1	1	0	1	2	3	3	3	
8	1	1	1	1	1	8	12	8	10	6	3	2	1	2	2	1	1	1	0	1	1	2	2	1	3	
9	0	0	0	0	0	2	6	6	5	4	4	4	4	4	4	6	8	4	7	4	3	4	4	3	4	
10	2	2	1	2	2	3	6	12	9	7	4	4	4	4	4	3	4	3	3	2	4	7	6	9	18	5
11	19	19	15	12	10	12	17	19	12	9	7	6	5	4	4	5	4	3	3	3	4	3	8	16	9	
12	16	17	16	15	11	10	16	15	9	6	5	3	2	2	1	1	1	1	1	2	2	2	2	4	7	
13	3	2	3	3	4	7	9	9	7	3	3	2	1	1	0	0	0	0	1	1	3	5	10	11	4	
14	14	14	8	6	8	14	23	20	22	14	8	6	3	2	1	1	2	2	2	2	3	5	7	5	8	
15	3	2	2	1	2	4	9	10	9	9	10	8	4	4	2	2	2	2	3	5	4	3	3	2	4	
16	2	1	1	1	2	2	3	4	4	3	3	3	1	1	1	1	1	1	1	1	1	1	1	2	2	
17	1	1	1	1	1	3	5	5	4	3	3	3	3	2	4	1	1	1	1	2	3	4	4	5	3	
18	4	9	12	10	8	10	13	20	17	4	5	4	4	4	3	3	3	3	3	3	2	2	2	2	2	
19	2	2	2	2	3	4	5	4	3	4	3	1	1	1	1	1	1	1	2	3	1	1	1	1	4	
20	2	1	1	1	2	2	3	3	3	3	2	2	1	1	1	1	2	2	2	3	4	3	4	2	2	
21	5	4	3	4	5	4	9	15	16	13	9	6	5	5	5	6	6	5	5	4	5	5	9	15	7	
22	20	23	22	20	18	18	23	34	23	14	10	6	4	1	2	2	2	1	1	2	2	5	6	8	11	
23	17	23	10	3	3	10	20	35	26	11	6	4	3	1	1	2	2	1	1	1	2	3	2	2	8	
24	2	3	2	2	1	1	3	8	10	10	12	9	8	9	9	8	7	5	3	3	2	2	3	3	5	
25	3	3	2	2	2	4	8	11	12	10	9	7	6	5	4	4	4	4	4	4	5	7	10	13	6	
26	12	9	6	3	2	2	3	4	4	5	5	3	2	1	1	1	1	1	1	3	7	8	6	5	4	
27	6	7	7	4	2	1	2	3	3	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	
28	1	1	1	1	1	4	10	12	9	6	4	3	5	4	3	2	2	1	2	2	2	1	1	1	3	
29	1	1	1	1	1	3	7	9	9	8	6	4	2	2	2	2	2	1	1	2	3	7	7	9	4	
30	6	9	6	4	5	11	30	29	16	4	8	4	3	4	5	4	2	4	2	3	3	2	1	2	7	
31	2	2	2	3	1	4	18	15	15	5	6	4	6	5	4	4	3	3	2	4	7	8	17	10	6	
MEAN	7	7	6	5	5	7	12	12	10	6	5	4	3	3	2	3	3	2	2	2	3	4	5	6	5.2	

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.8 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. \*\* INDICATES DATA IS UNAVAILABLE  
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																										
POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION											
STATION - C NO 31105 HYDRO 55 SHERBOURNE/WILTON ST. TORONTO															MONTH - SEP 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	16	11	6	2	1	2	8	11	9	4	5	2	3	1	2	1	1	1	1	0	0	1	7	4	4	
2	4	4	2	1	2	3	5	4	4	1	1	1	1	1	1	1	1	1	0	0	3	2	2	0	2	
3	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
4	1	1	0	1	1	0	2	4	2	1	0	0	0	0	0	2	1	1	1	1	1	1	1	4	4	
5	3	4	4	6	7	6	9	8	7	9	7	8	4	2	2	2	1	1	6	5	2	1	2	0	1	
6	1	1	1	1	1	2	4	9	4	4	1	0	0	0	1	1	1	1	1	0	1	1	2	3	2	
7	1	1	1	0	0	3	5	8	5	4	4	4	6	8	7	6	4	2	1	1	0	1	1	2	3	
8	1	1	0	0	0	3	9	10	8	7	5	3	4	4	4	2	3	3	5	8	6	5	5	4	4	
9	4	4	2	1	1	1	2	3	2	2	1	2	4	2	3	2	1	2	3	3	2	2	1	1	2	
10	1	1	0	0	0	0	1	1	1	1	1	2	2	1	1	2	1	2	2	3	2	10	15	19	3	
11	15	19	13	14	13	36	92	80	58	13	11	7	2	2	3	3	2	3	3	2	2	3	2	2	17	
12	1	1	1	1	0	2	7	6	5	3	3	3	4	4	3	5	3	3	1	2	2	1	1	1	3	
13	1	0	1	1	1	5	10	4	3	2	2	3	2	4	3	3	2	1	1	1	1	1	1	1	2	
14	0	0	0	0	0	3	8	6	7	4	3	5	7	4	4	5	4	5	3	3	1	1	1	1	3	
15	1	1	1	1	1	5	16	19	9	4	5	3	2	1	1	2	4	4	2	1	3	3	2	2	4	
16	1	1	1	1	2	3	3	4	2	2	1	1	0	1	1	1	2	1	2	3	2	3	3	4	2	
17	3	5	4	5	4	2	3	2	1	1	2	3	1	1	1	0	1	0	1	1	1	2	5	3	2	
18	1	0	0	0	0	2	5	4	4	2	3	2	3	2	3	3	2	1	1	1	1	2	3	3	2	
19	1	1	0	1	2	5	11	17	17	17	17	17	17	17	17	7	8	7	4	3	5	1	1	2	4	
20	1	1	1	1	1	7	16	8	9	9	9	9	9	9	9	2	6	3	5	3	3	1	2	3	5	
21	5	9	7	9	7	24	56	55	29	8	4	4	4	4	6	6	4	1	3	3	1	2	3	3	11	
22	3	2	1	1	1	4	10	17	9	6	10	8	8	4	4	7	6	3	6	8	6	4	5	6	6	
23	5	6	5	7	4	4	9	13	15	3	2	2	2	1	1	1	1	2	3	2	2	1	2	4	4	
24	6	22	25	15	9	6	9	10	9	2	0	1	1	1	1	0	0	0	1	9	3	2	1	0	8	
25	1	1	0	1	2	2	7	8	6	3	3	2	4	5	4	2	1	1	1	1	1	2	2	4	3	
26	4	5	3	2	2	8	16	7	7	6	3	4	5	4	5	2	1	1	1	1	1	2	1	1	4	
27	1	1	2	1	3	7	9	12	6	5	2	2	1	1	1	1	1	1	4	1	1	1	1	1	3	
28	1	1	0	1	2	4	8	12	7	6	4	3	3	3	4	4	3	2	5	7	5	7	8	6	4	
29	10	13	16	18	20	23	39	51	25	7	7	6	4	4	4	5	3	3	2	3	1	2	3	4	12	
30	3	1	1	1	1	2	9	7	3	2	2	2	2	2	2	1	1	1	2	1	2	1	1	1	2	
MEAN	3	4	3	3	3	6	13	13	9	4	3	3	3	3	3	3	2	2	2	3	2	3	3	3	4.1	

PERCENTAGE OF DATA VALID - 98.5 PERCENTAGE OF DATA INVALID - 1.5 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. \*\* INDICATES DATA IS UNAVAILABLE  
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO															MONTH - OCT 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	1	1	1	0	0	1	0	0	1	2	1	2	2	2	2	4	7	9	2
2	4	2	1	3	4	8	17	22	13	9	4	4	4	5	4	5	4	3	4	4	3	3	15	2	6
3	1	1	0	1	1	3	8	9	7	8	5	5	5	3	5	5	4	1	1	1	2	3	1	3	3
4	1	0	0	0	0	2	7	6	12	12	12	9	5	4	5	5	4	4	4	5	8	7	9	4	5
5	5	6	7	2	1	8	20	18	13	8	9	8	9	7	9	8	6	3	2	3	1	0	2	1	7
6	1	1	0	1	1	3	6	5	4	3	5	6	***	***	11	5	4	6	6	4	4	1	1	1	4
7	1	1	1	1	0	0	1	1	1	1	1	1	1	2	1	2	2	2	2	1	1	1	2	3	1
8	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	2	2	2	3	1
9	2	2	4	10	10	13	18	16	11	4	1	1	1	1	1	1	2	3	4	3	6	5	8	6	6
10	2	1	1	1	2	9	25	30	17	15	9	3	4	5	4	6	2	3	1	2	8	17	18	10	8
11	8	9	6	30	26	24	31	24	15	9	8	6	6	4	6	9	9	3	1	1	1	2	0	1	10
12	0	0	0	0	1	2	9	7	4	8	7	5	4	***	6	3	6	2	4	2	1	2	8	4	4
13	1	1	3	4	1	6	13	15	10	6	5	5	6	7	5	7	3	4	2	3	1	1	2	1	5
14	1	2	1	1	1	2	3	4	4	4	3	3	4	2	2	3	2	2	2	1	2	2	4	6	3
15	4	4	2	0	0	1	1	3	2	2	1	1	1	2	1	2	2	1	0	2	2	5	6	4	2
16	2	1	1	1	2	5	13	12	6	2	3	2	4	5	6	5	4	1	5	11	17	21	18	17	7
17	16	11	7	6	6	10	26	39	26	29	10	5	5	7	8	7	9	8	5	1	2	3	3	8	11
18	5	7	14	12	6	16	21	24	16	16	9	8	8	8	8	13	17	15	10	9	4	5	11	6	11
19	3	1	1	2	2	5	6	12	24	18	5	4	8	7	9	15	13	9	5	4	3	2	2	2	7
20	2	2	2	3	8	16	29	43	30	16	6	3	***	6	6	5	5	3	4	3	4	6	8	7	9
21	8	7	5	4	5	7	17	9	6	5	2	2	2	1	1	1	1	1	6	4	3	4	6	3	5
22	1	1	0	0	0	0	0	1	1	2	1	1	1	1	1	2	3	1	3	4	10	11	2	2	2
23	1	1	1	2	3	3	3	8	8	9	6	5	6	5	4	4	2	1	1	2	1	2	4	5	4
24	6	5	7	11	11	18	15	19	9	8	6	5	4	5	6	5	6	5	2	3	4	1	2	1	7
25	2	1	1	2	3	8	14	10	9	7	8	5	5	4	6	6	8	6	8	3	2	2	3	1	5
26	1	1	0	1	2	6	7	10	12	9	6	4	6	6	4	3	8	6	5	4	2	6	4	3	5
27	1	1	1	1	1	3	8	15	13	10	6	5	***	36	10	5	8	9	9	9	9	6	5	9	8
28	5	5	2	3	3	8	6	4	5	3	2	1	1	1	1	2	2	3	5	2	2	3	4	6	3
29	5	5	4	4	3	3	3	2	2	2	1	1	1	1	1	1	1	1	3	4	5	3	3	4	3
30	1	1	1	1	1	2	7	13	12	8	5	9	7	7	6	10	11	12	10	24	35	4	6	7	8
31	3	2	2	4	3	5	10	25	32	21	18	15	14	13	13	14	6	4	2	3	2	2	2	2	9
MEAN	3	3	2	4	3	6	11	13	11	8	5	4	4	5	5	5	5	4	4	4	5	4	6	4	5.4

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO															MONTH - NOV 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	2	1	1	2	6	15	25	26	7	6	4	5	3	6	11	10	8	8	9	17	18	9	9
2	8	6	2	1	1	2	7	14	23	18	11	9	7	6	10	4	9	16	13	8	6	6	21	23	10
3	31	17	27	28	25	32	30	51	78	19	12	9	***	***	10	7	9	6	7	9	15	18	14	10	21
4	39	33	13	12	9	4	8	9	6	13	9	8	11	7	6	11	23	30	17	17	20	33	23	15	15
5	15	11	20	26	17	16	10	13	3	5	5	2	2	3	2	3	1	3	6	4	2	2	1	1	7
6	1	0	1	0	1	2	10	24	30	10	8	8	10	8	7	9	7	8	2	1	1	7	6	8	7
7	5	1	1	1	1	1	4	10	13	9	7	5	5	4	4	8	7	8	4	6	7	4	4	14	14
8	8	6	9	7	7	17	34	56	89	20	12	7	5	4	4	8	7	8	4	2	4	6	7	6	6
9	5	4	1	1	1	1	2	7	17	20	10	9	10	7	***	14	18	8	6	18	23	31	15	14	11
10	12	18	25	12	6	7	12	35	17	9	7	4	5	7	6	9	9	6	5	6	5	3	4	4	10
11	5	5	8	11	15	6	5	7	10	15	15	5	5	4	6	8	19	4	3	4	3	1	1	1	7
12	2	1	1	1	1	1	1	1	0	0	1	1	3	1	2	3	3	1	1	1	3	4	3	2	2
13	2	1	1	1	1	2	4	13	9	8	12	11	10	13	15	15	16	14	15	17	9	5	6	5	9
14	3	3	2	1	1	2	4	15	19	15	7	6	8	***	3	4	4	3	2	3	1	2	2	2	5
15	1	1	1	1	1	1	2	6	12	6	4	5	5	4	4	5	6	4	6	5	5	23	24	26	7
16	30	28	15	10	3	5	8	19	14	10	9	7	6	4	4	5	7	9	6	5	3	2	2	2	9
17	2	1	1	1	1	1	4	12	10	9	10	9	11	10	12	15	11	9	4	2	3	3	4	3	6
18	3	3	1	1	1	1	1	0	0	1	1	1	2	1	1	2	3	7	7	7	7	5	4	6	3
19	5	2	2	1	0	1	1	3	1	1	1	1	1	1	1	1	1	1	1	2	3	1	1	2	1
20	3	2	2	1	1	1	2	5	7	6	5	5	4	4	6	7	6	7	4	4	2	2	2	2	4
21	2	1	9	9	7	17	15	10	11	11	6	7	6	6	5	8	8	4	5	2	1	14	14	12	8
22	10	7	1	0	0	1	5	10	10	9	6	7	8	9	8	12	11	8	6	4	4	3	4	3	6
23	3	4	2	1	3	4	9	16	12	10	10	9	7	***	11	11	8	6	11	10	7	6	4	3	7
24	3	2	1	1	1	1	2	5	9	9	6	6	4	***	***	5	6	8	6	6	3	1	1	1	4
25	1	2	1	1	1	1	1	2	2	3	4	3	3	3	2	2	3	3	2	3	4	3	2	2	2
26	2	2	1	1	1	1	1	1	2	1	1	2	2	2	1	2	3	6	4	3	3	2	2	1	2
27	1	1	0	0	0	1	1	3	4	2	2	3	3	3	4	5	6	5	3	2	2	5	4	4	3
28	5	4	6	3	3	6	7	12	11	14	13	9	6	9	17	15	18	18	8	6	5	2	3	2	8
29	3	1	1	2	3	2	3	8	8	***	6	6	7	7	6	6	5	5	4	4	4	4	4	5	5
30	5	3	3	2	3	3	2	2	6	5	4	3	2	4	3	4	4	3	3	3	2	4	3	3	3
MEAN	7	6	5	5	4	5	7	13	15	10	7	6	5	5	6	7	8	7	6	6	6	7	7	6	6.9

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 31105 HYDRO 55 SHERBOURNE/WILTON ST. TORONTO															MONTH - DEC 78										
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
DAY																									
1	3	2	2	2	1	1	4	9	11	12	11	10	13	15	****	6	7	15	12	9	10	8	4	3	7
2	4	2	2	1	2	1	1	2	3	4	2	2	1	1	1	3	3	3	5	3	3	3	3	3	2
3	1	2	5	3	2	1	1	0	0	1	1	1	1	2	2	6	6	4	3	3	5	5	7	11	3
4	14	5	4	2	1	3	4	5	9	9	6	4	3	4	4	5	5	8	5	4	2	3	2	5	5
5	2	2	2	1	1	3	5	9	10	8	9	8	9	9	11	11	10	9	8	7	5	7	7	3	7
6	3	4	3	2	3	4	6	13	21	13	8	8	4	4	4	7	7	6	4	3	3	2	2	1	6
7	1	1	1	1	1	2	6	8	8	6	7	6	8	8	8	8	6	6	4	5	5	3	4	4	5
8	6	10	8	8	8	7	10	11	12	9	****	9	8	7	7	14	11	9	5	4	3	3	3	2	8
9	2	1	1	1	1	1	1	3	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	0	0	0	0	0	0	1	1	0	0	1	1	1	1	1	1	2	2	1	2	2	2	1
11	1	1	2	1	1	1	2	5	11	10	10	9	9	11	9	8	9	11	10	12	6	3	2	3	6
12	2	3	4	3	3	4	6	11	13	13	9	7	5	9	9	9	11	6	3	2	2	2	2	2	6
13	2	1	1	1	0	1	3	8	11	11	7	8	11	9	4	4	6	7	3	2	1	0	0	0	4
14	1	1	1	0	0	1	1	2	8	9	6	4	3	4	7	7	7	9	5	4	3	4	8	4	4
15	6	3	2	1	1	1	4	9	11	10	8	12	10	9	10	7	10	7	9	11	13	12	12	9	13
16	4	4	4	2	3	5	6	7	8	11	10	9	8	6	7	10	11	11	12	10	11	5	2	2	7
17	4	5	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1
18	3	3	3	3	3	2	5	16	11	8	6	5	5	8	****	7	7	6	4	3	2	2	2	3	5
19	4	2	1	1	1	1	2	4	6	7	6	5	3	4	4	4	6	5	4	5	4	3	3	5	4
20	8	7	5	5	4	4	4	4	4	4	4	4	5	5	6	6	7	5	4	3	4	4	4	4	7
21	8	5	4	3	2	1	2	2	3	2	2	2	2	2	3	4	4	4	5	5	2	3	4	4	3
22	3	4	2	1	1	2	4	6	13	5	5	4	5	5	4	6	9	6	6	8	7	4	1	1	5
23	1	1	1	1	1	1	1	2	3	4	3	2	1	1	2	4	5	5	4	6	10	19	21	24	5
24	33	23	12	3	2	0	1	1	1	2	2	3	3	4	5	6	5	4	3	2	2	2	2	2	5
25	1	1	1	0	0	1	2	2	1	2	2	2	1	1	1	1	1	0	0	0	1	1	1	1	1
26	0	0	0	0	0	0	1	1	1	2	2	2	2	3	3	2	2	3	2	2	1	1	2	2	3
27	2	1	1	1	0	1	1	3	8	6	5	5	3	3	2	3	4	4	2	3	3	2	2	2	7
28	3	2	2	2	2	6	7	11	11	6	7	6	4	****	8	15	13	18	14	10	10	5	4	7	
29	4	6	6	3	5	6	10	19	26	33	32	34	15	11	10	7	3	3	5	4	3	2	1	1	10
30	1	1	1	1	1	1	1	2	2	2	2	2	2	2	4	6	6	9	9	6	7	5	4	6	4
31	13	21	14	8	5	4	10	5	7	7	9	14	5	5	4	4	4	4	3	3	4	3	2	3	7
MEAN	5	4	3	2	2	2	4	6	8	7	8	6	5	5	5	6	6	6	5	5	4	4	4	4	4.7

PERCENTAGE OF DATA VALID - 99.5 PERCENTAGE OF DATA INVALID - 0.5 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT		UNITS - 0.01 PARTS/MILLION		
STATION - C NO 31105		HYDRO 55 SHERBOURNE/WILTON ST. TORONTO		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	5.3	16	48
FEB	28	4.7	8	22
MAR	31	4.9	18	67
APR	28	3.9	9	30
MAY	31	4.8	14	45
JUN	30	4.2	11	45
JUL	31	3.2	9	29
AUG	31	5.2	11	35
SEP	30	4.1	17	92
OCT	31	5.4	11	43
NOV	30	6.9	21	89
DEC	31	4.7	10	34
YEAR	363	4.8	21	92

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31105

HYDRO 55 SHERBOURNE/WILTON ST. TORONTO

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	506	133	81	8	3	3	0	734
FEB	475	142	46	2	0	0	0	665
MAR	558	112	44	11	8	1	1	735
APR	546	90	29	6	0	0	0	671
MAY	545	108	64	10	3	3	0	733
JUN	554	90	61	5	1	1	0	712
JUL	625	78	27	7	0	0	0	737
AUG	517	125	78	16	2	0	0	738
SEP	568	99	28	8	2	0	6	709
OCT	484	165	65	19	5	1	0	739
NOV	389	195	94	22	8	0	4	712
DEC	508	165	57	6	4	0	0	740
YEAR	6275	1502	674	118	36	9	11	8625

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
98.5	0	0.4	1.4	2.5	4.6	9.9	14.0	20.1	25.9	92	4.8

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 33002

PHARMACY AND 401, SCARBOROUGH

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	11	17	22	19	13	5	3	4	4	5	7	9	15	17	10	17	15	12	9	7	6	6	6	6	10
2	6	4	2	1	2	2	7	19	10	5	4	5	1	1	1	1	1	1	1	1	1	1	1	1	3
3	0	0	0	1	1	1	1	2	6	5	4	27	25	26	27	34	52	49	38	24	14	6	4	6	15
4	3	1	1	1	1	2	2	5	8	2	3	3	3	4	3	3	3	5	5	5	3	3	15	21	4
5	17	13	7	8	7	14	40	81	73	12	10	11	9	6	***	3	5	7	8	48	51	35	22	29	22
6	22	10	5	5	6	12	27	42	43	34	31	38	36	22	31	***	29	51	41	32	28	25	16	22	26
7	21	15	12	8	6	5	10	19	23	19	34	36	39	36	38	43	46	40	36	26	31	10	8	7	24
8	4	5	2	2	2	2	2	2	2	3	3	3	3	4	4	4	5	28	52	28	19	13	10	8	9
9	5	1	1	1	1	2	7	16	13	19	16	16	15	17	21	***	29	30	20	12	8	4	4	5	11
10	3	2	1	1	1	1	5	11	12	10	12	11	13	13	***	17	23	21	16	14	12	13	16	12	10
11	10	6	4	1	1	1	1	2	2	2	1	1	2	2	1	4	***	***	***	***	***	***	***	***	3
12	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
13	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
14	12	8	5	3	3	4	8	13	16	17	19	20	20	19	20	21	22	18	16	15	14	12	11	15	14
15	16	18	16	11	8	5	3	7	12	14	14	16	21	21	20	19	3	3	4	3	18	18	28	29	14
16	6	3	2	2	2	1	2	12	14	4	3	4	3	2	1	1	2	3	3	5	4	8	11	26	5
17	16	22	21	16	10	11	23	58	62	47	41	38	36	34	34	37	35	25	22	17	12	10	10	8	27
18	7	5	3	2	2	3	9	18	18	18	22	26	32	32	30	35	45	51	46	35	31	33	32	34	24
19	26	17	17	14	13	19	42	53	78	83	57	46	35	38	35	41	51	53	42	44	33	27	28	22	38
20	17	9	4	2	2	3	13	32	33	28	23	23	19	16	15	14	11	11	12	12	8	7	7	7	14
21	8	7	4	2	1	1	4	10	16	21	21	20	22	27	31	32	34	40	51	53	42	27	22	18	21
22	37	31	39	17	13	6	3	3	3	3	2	2	2	0	0	0	1	1	1	1	1	1	1	1	7
23	0	0	0	0	1	1	1	2	5	5	5	2	2	3	2	2	2	3	2	2	2	1	1	2	2
24	1	1	1	0	1	1	1	3	6	5	5	***	***	4	4	4	4	5	4	3	2	2	2	3	3
25	4	5	6	6	5	8	46	66	60	57	41	44	48	44	46	44	48	52	29	29	21	15	3	1	30
26	1	1	3	3	2	2	3	1	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
27	0	0	0	0	0	1	1	5	12	10	10	9	13	17	22	***	30	32	22	26	28	18	8	3	12
28	8	10	8	3	2	1	5	12	14	18	20	24	26	27	26	22	21	27	30	29	21	14	11	12	16
29	13	13	14	7	4	3	4	8	11	12	10	15	14	13	18	23	26	22	18	17	17	17	19	25	14
30	11	2	5	8	5	7	22	49	54	43	35	35	31	28	***	35	45	35	20	12	6	3	2	3	22
31	1	0	0	0	0	1	5	7	5	4	4	3	3	3	2	2	2	3	3	3	4	9	9	7	3
MEAN	10	8	7	5	4	4	10	19	21	17	16	17	17	16	18	18	21	23	20	18	16	12	11	12	14.3

PERCENTAGE OF DATA VALID - 92.7

PERCENTAGE OF DATA INVALID - 7.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH

MONTH - FEB 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	10	4	1	1	1	2	16	15	28	10	4	2	2	3	1	5	16	3	5	12	12	9	10	15	8
2	3	1	1	2	5	14	29	54	54	45	35	17	7	12	12	2	3	3	4	6	9	5	15	23	15
3	14	14	8	9	9	9	34	68	58	48	42	39	34	34	31	38	42	46	44	40	35	31	27	24	32
4	18	13	10	8	5	5	10	23	26	31	32	33	33	27	35	40	43	47	49	46	38	33	40	28	28
5	25	21	17	11	6	3	3	7	7	8	8	10	13	13	16	19	18	18	16	15	16	14	12	13	13
6	8	4	3	3	2	5	15	30	28	24	24	27	21	20	23	27	30	29	23	17	13	10	10	9	17
7	5	2	2	1	1	1	9	19	22	18	15	16	15	19	18	26	34	36	32	32	26	21	21	15	17
8	10	6	4	2	2	5	19	45	45	33	26	25	23	25	****	****	45	54	56	50	37	31	26	21	27
9	14	7	5	5	5	7	27	57	57	43	36	33	26	27	34	34	41	33	50	43	34	36	38	35	30
10	28	19	12	12	13	16	36	67	67	51	38	40	27	9	2	3	3	4	4	8	11	6	2	4	20
11	8	6	8	5	4	2	3	3	7	13	14	14	18	13	14	17	14	26	22	13	7	1	1	1	10
12	3	6	5	1	1	1	1	1	1	1	1	1	4	14	24	22	20	19	18	19	21	23	24	19	22
13	20	12	4	3	4	8	26	43	40	36	31	26	25	28	31	****	47	45	40	29	23	25	24	19	26
14	13	10	5	3	5	10	29	51	47	38	35	33	31	29	31	38	51	48	52	50	19	39	41	31	31
15	26	11	10	7	8	21	24	21	16	18	5	4	3	2	1	2	2	2	1	1	2	1	2	3	8
16	3	1	1	1	1	1	1	7	5	4	3	2	2	1	2	1	1	1	1	1	2	1	1	1	2
17	0	0	0	0	0	0	2	4	4	1	3	3	2	3	2	****	1	1	2	3	7	9	9	9	3
18	9	7	3	3	3	2	2	2	2	3	3	1	1	1	1	2	7	8	28	28	23	18	16	27	8
19	25	26	17	7	5	2	3	4	6	7	5	10	16	15	23	12	15	18	4	3	2	11	21	5	11
20	3	8	8	9	16	26	59	49	18	9	7	2	1	1	0	0	1	6	19	42	40	41	43	36	19
21	19	8	5	6	6	11	34	53	55	38	29	29	27	28	29	35	41	40	35	26	21	19	18	17	26
22	15	9	4	4	4	8	28	50	41	26	21	****	19	21	22	25	38	42	31	24	19	14	13	10	21
23	1	0	0	0	1	0	2	16	15	7	6	4	1	1	0	1	8	15	8	1	1	2	0	0	4
24	0	0	0	0	0	0	0	2	3	2	2	11	20	****	2	3	1	1	1	3	0	0	0	0	2
25	0	1	2	2	12	12	14	18	17	17	19	23	24	24	24	24	29	36	41	31	28	22	20	23	19
26	22	16	15	8	4	2	4	5	6	9	12	12	14	13	11	19	21	22	21	20	21	26	22	20	14
27	9	2	1	1	1	3	13	46	50	33	17	17	19	11	17	28	36	18	34	18	19	7	1	0	17
28	0	1	7	6	3	1	16	37	16	9	4	2	1	1	7	5	1	1	0	0	2	2	25	50	8
MEAN	11	8	6	4	5	6	16	28	27	21	17	16	16	15	15	17	22	22	23	21	18	17	17	17	15.9

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH

MONTH - MAR 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	35	24	14	4	3	7	29	53	50	36	28	24	21	26	29	30	38	36	39	36	24	26	25	24	28
2	16	11	7	4	5	7	28	55	46	19	22	13	15	12	***	25	28	25	2	4	23	29	34	28	20
3	24	21	16	10	7	11	27	52	48	38	29	14	23	19	24	28	29	29	34	30	25	18	14	14	24
4	15	12	6	3	1	1	6	10	12	14	16	15	16	16	17	19	19	17	19	17	9	14	4	2	12
5	4	3	4	3	1	0	1	2	4	8	9	6	6	5	8	12	5	9	0	0	0	0	0	1	4
6	1	0	1	3	6	4	29	53	38	38	33	30	29	31	31	34	37	33	37	35	27	31	29	29	26
7	17	5	2	2	2	4	24	52	51	35	27	25	22	24	25	29	36	38	42	34	24	20	19	18	24
8	12	7	5	6	8	12	36	60	54	29	4	0	0	0	4	***	32	31	1	22	46	48	55	68	23
9	53	42	23	14	18	31	63	45	25	16	4	6	3	1	1	2	2	2	2	2	0	1	13	12	16
10	9	5	4	5	13	15	33	58	45	29	25	25	24	28	10	1	0	0	1	5	27	28	26	31	19
11	32	11	11	10	7	3	1	4	4	2	1	1	1	1	1	1	0	0	0	0	0	0	1	1	4
12	1	1	1	1	1	1	2	13	13	8	11	13	17	22	25	26	26	26	29	28	28	28	34	31	16
13	27	11	23	15	11	36	76	82	59	14	3	1	1	1	3	3	***	1	4	0	0	0	0	0	16
14	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	11	1
15	8	5	3	2	2	4	15	33	36	28	24	24	27	28	28	36	36	41	39	35	26	25	27	23	23
16	17	12	6	5	4	6	28	58	46	17	1	0	2	1	2	2	1	0	0	1	2	3	3	3	9
17	17	21	11	5	6	13	13	11	7	3	0	0	0	0	0	0	1	1	3	2	15	29	26	23	9
18	18	12	9	4	2	1	0	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
19	0	0	0	0	0	0	0	0	0	0	4	5	8	9	9	10	9	10	12	12	12	15	20	21	7
20	13	7	2	5	9	16	41	40	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	6
21	5	2	1	1	1	1	2	6	20	31	70	52	28	37	39	43	49	48	38	30	27	28	21	20	25
22	13	7	3	2	1	2	4	14	10	8	2	4	1	1	***	0	1	3	6	5	3	3	5	14	5
23	13	7	3	4	3	9	14	37	16	25	22	17	15	16	20	24	20	21	33	37	21	24	16	11	18
24	6	4	2	1	1	1	3	8	10	16	20	21	19	19	20	19	21	23	28	25	18	14	15	15	14
25	13	6	4	3	4	3	8	13	8	1	1	1	1	1	0	0	0	0	0	0	5	0	0	0	3
26	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
27	2	4	3	2	2	5	22	35	33	30	30	35	33	33	37	41	43	43	40	31	28	26	21	10	25
28	4	3	1	0	0	0	1	2	5	2	1	1	1	1	1	10	16	6	4	5	7	10	6	4	2
29	5	15	5	4	4	6	25	31	28	23	20	24	20	20	21	23	31	28	31	31	29	27	23	22	21
30	17	13	9	8	9	13	51	61	54	22	4	7	8	20	***	20	32	11	2	2	2	2	2	3	16
31	3	2	4	8	7	4	32	36	7	2	1	0	1	1	1	***	0	0	0	0	0	0	0	0	5
MEAN	13	9	6	4	4	7	20	30	24	16	13	12	11	12	13	15	17	16	14	14	14	14	14	14	13.6

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH														MONTH - APR 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	1	0	6	1	2	2	1	3	7	5	11	17	16	13	12	11	10	9	7	5	4	5	6
2	6	7	4	2	0	0	0	1	2	4	8	9	14	19	19	18	24	25	27	31	32	31	29	16	14
3	12	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
4	7	11	8	7	6	5	18	27	8	1	1	1	14	37	30	8	4	2	3	20	26	12	9	11	7
5	5	3	2	2	2	5	21	42	34	27	25	25	21	20	19	30	35	38	40	45	43	45	42	34	25
6	34	27	17	11	10	16	25	16	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
7	0	0	0	9	8	7	18	25	7	2	10	14	9	****	****	25	26	19	22	24	21	20	15	14	13
8	12	15	7	2	1	1	4	10	12	15	14	15	15	16	16	15	15	18	19	17	12	12	19	12	16
9	19	15	9	4	2	1	2	4	5	7	11	13	16	18	23	25	22	24	30	28	26	29	29	28	16
10	17	9	3	1	4	2	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	1	0	0	2
11	0	0	0	0	0	0	15	3	6	20	31	40	49	22	11	2	2	1	0	4	12	9	0	0	9
12	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	1	2	10	7	20	44	4	4
13	1	1	1	0	1	0	0	2	5	8	13	16	11	9	17	****	23	26	25	24	19	18	17	16	11
14	6	3	0	1	1	3	16	26	25	19	****	16	19	20	22	23	28	27	26	27	24	18	15	12	16
15	5	4	6	3	3	2	9	12	13	15	14	18	21	21	17	17	16	18	20	21	19	17	19	24	14
16	24	24	14	9	4	3	4	6	7	7	6	10	2	0	0	0	13	25	31	34	25	27	22	17	13
17	8	3	1	1	4	10	33	47	37	17	11	****	3	24	1	0	0	1	2	30	27	23	24	31	15
18	22	17	7	7	15	26	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
19	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	3	3	5	14	1
20	11	7	3	2	2	4	20	30	24	24	23	21	17	23	24	24	24	24	26	22	15	14	14	13	17
21	7	4	2	1	1	2	13	26	24	21	18	20	19	21	20	23	23	22	21	22	22	22	22	20	17
22	13	10	5	2	2	4	9	14	15	19	19	20	20	18	17	18	21	22	23	25	24	21	18	22	16
23	25	19	10	5	3	4	6	8	8	8	8	3	0	0	0	0	0	0	0	2	7	27	43	41	9
24	25	11	11	5	3	7	30	50	22	6	1	0	3	22	26	****	31	28	27	29	30	26	22	22	19
25	14	9	5	3	3	6	22	38	32	20	2	0	0	0	0	0	0	0	0	0	13	26	38	28	11
26	19	11	7	5	6	11	25	41	28	5	3	0	0	0	0	0	0	0	0	0	24	33	31	26	11
27	20	14	9	4	4	7	27	45	38	28	21	24	21	23	24	****	28	23	23	23	17	17	16	16	21
28	11	7	4	2	2	5	23	36	31	****	21	21	22	22	26	31	24	27	34	46	47	42	38	41	24
29	35	30	12	9	5	6	11	19	21	16	18	14	14	13	13	14	14	14	14	15	12	9	9	14	15
30	14	11	9	5	3	3	5	4	6	8	10	12	14	14	15	16	15	13	13	17	23	19	15	8	11
MEAN	12	9	5	3	3	5	12	18	14	10	10	11	11	13	13	13	14	14	15	17	18	19	19	16	12.2

PERCENTAGE OF DATA VALID - 98.6

PERCENTAGE OF DATA INVALID - 1.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION												
		STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH												MONTH - MAY 78												
HOURLY DAY		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		4	2	1	2	4	22	32	28	20	18	19	17	16	20	21	22	19	18	15	16	15	18	23	14	16
2		6	4	2	2	10	33	39	31	25	24	21	20	21	***	23	24	21	21	23	19	17	21	19	9	19
3		6	5	3	3	8	28	47	44	33	27	19	19	18	19	20	21	19	20	20	24	26	30	17	21	
4		10	11	11	12	16	43	54	9	0	0	0	0	0	0	0	2	2	3	0	2	23	24	23	15	11
5		7	4	2	0	0	0	1	2	2	0	0	0	0	0	0	2	1	1	1	0	1	5	2	1	1
6		1	3	5	4	4	11	17	25	26	15	16	3	5	8	3	4	7	6	36	35	25	17	19	17	13
7		16	14	9	4	3	7	8	10	6	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	3
8		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0
9		0	0	0	0	3	3	13	6	5	5	0	0	0	2	10	5	2	0	0	0	0	0	0	0	2
10		2	0	1	3	7	20	36	33	25	22	24	23	24	22	14	23	29	34	20	21	6	3	6	8	17
11		8	7	8	6	4	11	11	2	1	0	0	0	0	0	0	0	0	0	0	4	2	19	36	40	7
12		33	6	8	1	0	0	1	5	4	2	2	1	2	1	1	1	1	1	1	1	0	0	0	0	3
13		0	3	6	3	1	0	0	0	0	0	0	0	0	1	9	2	0	0	1	3	38	22	6	0	4
14		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
15		1	1	0	1	2	3	15	5	1	0	1	1	1	1	2	1	7	30	27	24	12	1	14	7	7
16		12	6	4	3	6	29	47	14	2	8	0	0	5	4	5	4	1	5	17	40	38	25	16	11	13
17		8	4	2	3	8	29	37	38	33	36	14	1	2	2	1	0	1	1	1	1	1	14	17	33	13
18		21	12	12	12	17	38	73	63	49	44	32	29	8	****	1	1	1	1	3	5	14	29	43	32	23
19		25	28	20	12	12	18	17	18	11	1	1	1	0	1	1	1	1	13	28	38	35	13	17	16	6
20		4	6	1	0	1	18	8	1	1	1	1	1	1	1	1	3	11	13	2	1	1	1	1	1	4
21		10	3	1	1	1	2	4	7	11	14	17	17	16	15	15	16	18	24	24	22	27	26	11	13	
22		13	7	1	0	0	0	2	11	16	18	12	18	15	11	9	2	0	0	0	27	50	42	22	12	12
23		12	10	12	9	28	66	56	7	9	5	6	0	0	0	0	0	0	0	0	0	0	18	26	11	11
24		18	12	10	5	20	46	53	46	29	1	1	0	0	0	1	0	0	0	0	2	14	39	23	15	14
25		12	9	7	7	21	45	55	46	31	29	25	22	22	****	27	28	30	30	29	30	31	28	31	21	27
26		15	9	5	6	16	40	53	36	32	30	18	20	****	2	3	1	1	1	1	5	11	14	19	43	17
27		50	28	43	35	29	24	21	2	2	2	2	2	1	1	1	1	1	1	1	1	3	21	8	27	13
28		30	18	10	8	11	7	1	1	1	1	1	2	2	2	2	2	2	2	1	1	2	2	5	16	5
29		9	10	12	10	24	39	13	9	3	3	3	3	3	3	2	2	2	1	1	1	2	2	2	10	7
30		18	10	9	10	20	17	4	3	13	4	4	4	4	4	3	3	3	3	3	3	3	4	4	4	7
31		3	5	6	6	2	3	5	4	3	2	2	2	5	13	19	18	21	20	18	16	15	17	19	12	10
MEAN		11	8	7	5	9	19	23	16	12	10	8	6	6	5	6	6	7	8	9	11	12	14	15	14	10

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH													MONTH - JUN 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	7	3	2	3	11	26	44	43	40	26	13	4	0	0	0	0	0	0	0	0	0	1	4	9	
2	13	6	11	13	11	13	12	8	9	7	11	2	17	19	17	28	14	29	21	16	18	15	19	15	14
3	10	6	3	2	6	14	25	27	23	21	17	16	15	18	18	17	19	19	16	17	18	22	26	27	17
4	30	21	14	9	9	5	8	4	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	7	5
5	11	7	4	2	6	22	40	31	27	26	25	23	22	23	28	29	28	28	24	26	39	44	42	34	25
6	24	17	21	15	30	15	15	7	2	1	1	0	1	0	0	0	0	0	0	0	0	1	22	24	8
7	8	11	17	17	10	8	5	8	7	4	9	3	2	4	6	6	8	8	9	14	15	24	8	3	9
8	2	1	1	1	2	4	4	4	6	11	19	22	23	25	29	31	30	30	25	22	28	29	26	24	17
9	12	6	3	2	4	36	51	44	32	28	25	15	15	17	17	17	19	22	26	26	22	20	28	24	7
10	23	16	12	12	15	31	17	2	0	0	0	0	0	0	0	0	0	0	0	12	20	6	1	1	7
11	2	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	0
12	0	0	0	0	0	0	1	1	1	1	1	1	8	4	****	1	1	3	3	4	13	12	10	6	3
13	2	1	0	0	21	28	37	30	25	24	24	22	21	21	23	22	23	20	18	20	22	13	17	13	19
14	7	4	2	3	9	36	47	35	26	26	22	21	21	23	27	28	29	28	27	27	30	21	21	22	23
15	17	10	5	7	11	33	57	49	35	28	26	19	17	16	21	15	13	15	27	27	24	19	11	10	21
16	12	13	13	10	6	6	6	7	2	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	3
17	6	14	16	6	4	2	1	1	1	1	2	1	1	2	5	8	12	13	15	17	20	23	27	20	10
18	2	2	3	3	4	6	7	3	2	2	3	3	2	5	8	25	26	26	26	24	27	34	35	24	25
19	12	5	4	4	5	24	52	53	49	40	27	21	17	14	****	25	0	0	0	0	0	0	0	3	16
20	26	23	18	15	21	50	77	60	34	28	24	7	1	0	0	0	0	0	0	0	0	0	0	0	16
21	17	19	10	11	16	9	3	1	28	40	10	1	0	****	3	11	16	19	19	18	20	28	31	30	16
22	21	11	7	5	9	25	44	38	29	21	15	18	20	21	22	21	17	24	25	22	12	12	14	22	20
23	10	5	4	7	22	42	38	37	28	28	28	27	28	28	****	28	27	30	34	35	33	28	26	22	26
24	21	16	9	8	9	16	23	26	21	10	11	9	1	0	0	0	0	0	0	0	1	2	13	45	10
25	55	49	40	33	35	32	25	5	1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	18	13
26	6	2	1	4	6	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	7
27	2	3	2	2	2	2	4	5	5	3	2	2	2	2	6	9	13	18	19	15	15	15	15	13	7
28	7	4	4	3	6	21	32	31	25	20	20	20	20	20	21	21	21	21	22	23	20	21	19	13	18
29	7	4	2	3	6	28	40	32	26	26	23	20	18	18	21	22	21	22	21	19	21	21	20	17	19
30	12	7	4	4	5	19	33	33	29	26	****	26	25	26	25	22	23	23	22	22	22	20	18	18	20
MEAN	13	10	8	7	10	19	25	21	17	15	12	10	10	11	11	12	12	13	14	14	15	15	16	16	13.5

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION													
STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH													MONTH - JUL 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	15	13	10	9	9	17	22	22	15	4	6	3	0	0	0	0	0	0	0	0	0	8	23	26	8	
2	25	14	6	4	4	4	6	1	1	0	0	0	0	0	0	0	0	0	0	0	0	3	3	3	3	
3	8	4	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	7	4	0	0	0	0	0	1	
4	3	3	1	0	0	0	0	2	4	3	3	1	1	0	0	0	0	0	0	0	0	1	19	28	3	
5	23	18	13	10	12	30	48	47	24	17	10	4	0	0	0	0	0	0	0	0	0	1	1	1	11	
6	1	1	3	2	1	1	3	3	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8	1	1	1	1	1	2	2	2	1	1	1	1	2	2	2	5	6	9	12	12	9	8	10	11	4	
9	10	7	4	3	2	4	7	9	7	4	3	3	0	0	0	0	0	0	0	0	1	1	1	0	3	
10	0	0	0	0	2	11	27	25	22	18	17	14	15	16	18	21	21	20	19	16	17	18	20	13	15	
11	9	5	4	4	6	19	37	34	24	20	22	21	21	****	21	24	28	26	24	23	26	30	27	19	21	
12	14	10	6	3	3	11	38	32	***	19	9	7	1	0	0	0	0	0	0	0	1	3	5	3	7	
13	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	11	1	
14	10	6	4	5	9	24	50	44	36	20	11	2	1	1	1	1	2	7	1	11	29	29	26	26	15	
15	26	21	14	12	15	16	36	11	2	0	0	0	0	0	0	0	0	1	11	12	12	13	15	15	10	
16	13	9	5	4	4	6	9	12	14	16	17	18	17	15	15	16	17	17	18	22	24	25	17	14		
17	10	6	4	4	6	23	43	37	30	26	25	25	24	25	22	11	0	0	1	20	29	34	33	26	19	
18	21	16	11	9	12	31	64	22	8	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
19	2	1	0	0	0	0	1	6	5	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
20	0	0	0	0	0	1	1	1	2	1	1	0	1	1	0	****	0	0	0	****	9	18	19	18	3	
21	9	9	4	2	3	16	39	32	22	18	5	2	2	2	2	2	2	5	12	23	23	24	24	23	13	
22	11	8	14	13	15	12	25	24	17	5	2	2	2	2	2	2	5	11	8	9	1	1	1	1	8	
23	2	2	2	2	2	2	2	1	1	1	1	1	4	6	8	13	13	14	14	18	21	25	26	19	9	
24	11	7	6	6	9	29	57	42	9	1	0	0	0	0	0	0	0	1	2	1	0	0	0	0	11	
25	14	19	12	11	15	29	19	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	
26	1	1	1	1	1	2	3	3	3	1	1	1	1	1	1	1	1	1	1	1	6	10	2	1	2	
27	1	1	1	1	1	2	2	3	3	2	2	2	2	2	1	1	3	6	6	22	21	19	15	11	5	
28	9	5	1	3	5	19	38	38	32	30	30	****	29	29	28	20	19	18	2	0	1	1	2	18	16	
29	21	16	10	9	4	2	1	0	0	0	0	0	0	0	0	1	6	16	15	12	12	11	9	13	7	
30	12	9	5	4	3	4	8	12	15	16	17	18	11	0	0	0	0	0	0	0	2	37	37	26	10	
31	17	10	7	7	11	17	33	21	3	0	0	0	0	0	0	0	0	0	0	0	0	2	18	25	7	
MEAN	10	7	5	4	5	11	20	16	10	8	6	4	4	4	4	4	4	4	5	5	7	8	10	12	12	7.7

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION													
STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH														MONTH - AUG 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	16	10	8	8	10	10	11	15	10	1	0	0	0	0	0	0	2	2	0	0	1	19	24	20	7		
2	19	14	10	10	13	31	27	12	5	2	0	0	0	0	0	0	0	0	0	0	0	1	1	1	6		
3	1	1	1	2	6	21	39	38	34	34	37	37	34	22	***	27	22	24	34	27	22	21	18	12	22		
4	8	4	3	3	4	20	50	44	36	31	27	21	16	1	0	0	0	0	3	27	38	37	38	34	19		
5	31	26	19	20	19	31	41	38	12	1	0	0	0	0	0	0	0	0	0	0	0	0	1	20	11		
6	22	23	19	15	12	8	6	19	19	11	7	13	0	0	0	0	0	0	0	0	0	8	39	38	11		
7	23	13	8	5	4	9	16	9	2	2	1	0	0	0	0	0	0	0	0	0	0	0	25	19	6		
8	10	11	9	4	2	5	8	6	5	3	2	***	0	0	0	0	0	0	0	0	0	0	0	0	3		
9	1	1	1	1	1	1	1	2	2	2	2	3	4	27	35	17	23	30	25	22	24	27	30	19	13		
10	11	7	5	6	10	33	57	44	27	5	2	0	0	0	0	1	1	0	2	3	17	46	36	13			
11	27	18	15	15	19	42	71	21	2	0	0	0	0	0	0	0	0	0	0	0	1	11	45	42	14		
12	37	28	18	17	19	26	31	27	26	12	9	3	0	0	0	0	0	0	0	0	0	0	1	3	11		
13	10	6	3	7	13	16	17	3	1	0	0	0	0	0	0	0	0	0	0	1	19	34	37	29	8		
14	22	11	6	3	3	4	23	48	29	5	1	0	0	0	0	0	0	0	0	0	0	1	2	23	8		
15	9	1	0	1	9	5	2	2	2	1	0	0	0	0	0	0	4	20	23	15	5	1	0	0	4		
16	0	0	0	0	0	0	1	1	1	2	4	3	3	3	3	3	3	2	2	9	9	3	3	4	2		
17	4	1	1	1	1	2	6	16	22	22	19	16	17	***	25	30	29	25	26	33	37	34	30	26	18		
18	15	16	14	12	20	48	70	45	5	3	2	3	3	3	3	2	4	3	3	3	2	2	2	2	12		
19	2	9	4	3	3	3	3	4	4	4	4	4	3	3	3	3	12	4	12	17	13	11	13	12	6		
20	10	5	4	4	3	7	11	11	14	18	19	20	21	22	22	22	22	22	28	35	32	28	28	19	18		
21	12	7	8	9	16	40	60	53	16	2	3	***	***	***	***	***	***	***	***	***	***	***	***	***	***		
22	- DATA INVALID -																										
23	- DATA INVALID -																										
24	- DATA INVALID -																										
25	- DATA INVALID -																										
26	- DATA INVALID -																										
27	- DATA INVALID -																										
28	- DATA INVALID -																										
29	- DATA INVALID -																										
30	- DATA INVALID -																										
31	- DATA INVALID -																										
MEAN	14	10	7	7	9	17	26	22	13	8	7	6	5	4	5	5	6	7	8	10	10	13	19	18	10.7		

PERCENTAGE OF DATA VALID - 65.8 PERCENTAGE OF DATA INVALID - 34.4 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH														MONTH - SEP 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
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22																									
23																									
24																									
25																									
26																									
27																									
28																									
29																									
30																									
MEAN	16	13	10	9	12	31	38	37	22	17	14	13	13	13	17	17	16	18	21	21	18	17	21	18	18.5

PERCENTAGE OF DATA VALID - 56.8 PERCENTAGE OF DATA INVALID - 43.2 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION											
STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH													MONTH - OCT 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1	1	1	1	1	1	1	2	2	6	12	12	11	18	15	4	8	24	27	29	34	36	30	34	20
2	9	6	6	8	14	46	69	56	43	36	29	30	29	25	1	1	0	1	1	4	6	10	14	20
3	32	23	21	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
4	2	1	0	0	0	1	4	9	4	3	3	3	2	1	****	2	18	3	4	8	12	13	7	5
5	9	25	7	3	2	7	17	20	3	1	1	1	1	1	1	1	2	4	0	0	0	0	0	4
6	0	1	0	0	0	0	4	2	1	1	1	1	2	1	1	1	2	4	3	2	13	14	12	3
7	11	6	4	4	5	11	20	21	24	28	23	25	28	26	22	20	23	26	23	18	14	12	20	17
8	16	11	5	2	2	4	10	11	15	19	22	22	23	22	25	23	19	21	28	38	46	38	25	31
9	23	17	15	15	25	50	54	16	6	3	1	0	0	0	0	0	0	0	0	0	0	0	0	9
10	0	0	0	0	0	2	9	14	6	9	5	1	1	7	3	10	0	2	3	1	3	4	1	2
11	2	10	11	22	8	8	21	25	18	7	2	1	0	0	0	0	1	1	4	3	1	1	0	6
12	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	2	22	14	18	1	2	17	16	9
13	10	1	1	10	12	39	72	55	44	38	37	36	38	40	****	39	39	43	37	30	24	20	24	18
14	16	12	6	5	6	13	18	24	26	26	26	27	30	28	28	31	38	34	26	23	17	19	39	23
15	29	17	9	6	4	7	12	15	19	9	5	13	23	1	1	0	0	0	2	19	38	37	38	14
16	5	3	3	6	11	34	56	46	36	30	22	20	9	0	0	0	0	2	11	60	51	50	46	22
17	28	16	14	14	21	56	89	80	32	4	2	3	2	2	2	1	1	3	10	6	3	2	4	17
18	31	47	49	31	10	8	14	18	16	11	5	4	3	****	2	2	4	4	5	5	3	5	6	13
19	14	11	6	6	13	17	57	70	20	25	22	24	29	3	3	6	10	15	45	41	31	36	23	15
20	14	14	12	13	19	42	70	40	21	11	4	2	2	2	2	2	3	8	13	4	4	3	2	13
21	3	2	2	1	1	1	3	2	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	10	17	2
23	2	2	2	2	7	19	37	23	28	30	30	29	28	25	****	32	33	32	29	22	28	35	24	11
24	12	20	29	33	33	36	23	28	17	18	5	5	2	1	1	1	1	1	1	1	2	2	1	11
25	0	0	1	1	1	3	5	7	5	2	2	2	2	****	1	1	1	1	0	1	1	1	1	2
26	1	1	1	1	1	12	28	29	34	37	41	38	37	39	41	53	45	49	43	40	32	11	9	18
27	6	7	7	2	1	3	7	9	9	8	3	1	3	****	3	3	4	2	6	3	2	1	2	2
28	2	4	6	9	1	2	5	34	36	32	26	26	24	24	25	32	32	36	38	31	22	21	27	30
29	34	27	19	12	10	4	6	14	15	17	18	7	2	0	0	0	0	2	5	7	52	21	10	20
30	53	26	7	1	0	0	1	4	2	1	1	1	1	1	1	1	1	4	10	20	26	13	3	2
31	2	2	3	3	1	1	4	12	16	15	33	33	33	32	36	39	38	37	32	27	26	23	26	21
MEAN	12	10	8	7	7	14	23	22	16	14	12	12	12	11	7	10	12	12	14	14	16	14	14	13

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION													
STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH													MONTH - NOV 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	24	19	11	7	9	14	42	78	71	23	4	2	1	1	1	2	3	8	10	7	7	8	11	6	15	
2	5	2	1	2	1	2	3	9	8	5	5	3	1	1	1	16	7	4	5	11	14	36	20	29	8	
3	46	42	37	28	26	28	58	96	94	20	2	1	1	1	1	1	1	1	4	8	60	78	44	37	30	
4	33	26	24	24	19	11	17	13	22	12	6	4	3	4	2	3	3	2	43	66	57	59	53	48	23	
5	41	38	28	29	13	5	6	1	0	1	1	1	1	0	1	1	1	1	2	1	1	1	1	1	7	
6	1	1	1	1	1	1	1	7	30	42	34	36	****	35	38	42	42	40	36	33	22	6	8	10	20	
7	13	11	7	5	5	11	35	59	54	40	34	33	32	35	39	42	51	63	63	45	38	33	34	29	34	
8	26	22	17	16	20	37	73	94	94	24	6	5	3	****	1	2	3	5	4	3	3	5	2	3	20	
9	2	2	1	0	0	1	1	5	6	4	4	2	2	2	2	3	5	13	13	14	23	26	64	50	10	
10	39	29	31	24	27	19	49	87	18	9	6	8	2	3	7	****	3	2	2	2	2	2	7	45	54	21
11	52	45	31	22	19	22	10	5	4	8	28	5	4	11	24	27	34	37	34	24	19	12	11	15	21	
12	18	15	11	5	2	1	2	8	8	12	18	19	20	24	3	2	5	35	34	37	35	31	27	22	16	
13	15	5	4	3	5	9	26	63	54	16	16	16	2	2	2	3	4	4	3	4	1	1	1	1	11	
14	1	1	1	1	1	1	3	3	6	4	2	1	2	3	****	23	33	24	27	18	4	5	1	0	7	
15	0	0	0	0	0	0	1	5	5	23	18	19	18	14	13	29	37	37	57	67	62	71	75	84	26	
16	64	42	20	12	9	19	61	77	62	29	7	2	0	0	0	0	1	4	24	71	58	58	20	0	27	
17	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	3	3	2	1	2	2	1	1	1	
18	0	0	0	0	0	0	0	0	0	1	8	16	19	20	16	5	4	3	3	2	0	0	1	4	4	
19	1	1	0	0	0	0	0	3	4	8	12	15	19	21	22	25	29	32	31	31	29	28	24	18	15	
20	6	2	2	1	2	6	26	42	38	37	33	34	34	39	42	52	58	56	46	38	30	30	27	25	29	
21	19	14	8	6	6	15	44	67	60	46	42	30	10	****	4	7	1	3	7	58	49	47	42	39	27	
22	26	15	9	15	11	19	51	24	25	43	7	0	0	****	0	0	0	0	0	0	0	0	0	0	0	
23	0	0	0	0	0	0	1	2	3	2	2	1	2	2	2	2	4	4	4	4	3	3	4	2	2	
24	2	3	5	3	4	8	11	32	48	25	26	27	25	26	26	31	32	32	41	39	32	20	18	24	23	
25	14	13	5	6	4	5	12	21	24	25	26	27	25	26	26	30	36	42	44	35	34	29	22	25	20	
26	27	25	15	10	4	3	8	14	10	13	20	23	25	30	30	36	42	44	35	34	29	22	25	20	23	
27	11	4	2	2	2	6	16	17	12	12	15	16	16	18	****	19	18	15	18	15	13	13	11	11	12	
28	7	6	5	6	9	14	28	27	25	26	14	16	22	22	6	9	12	10	5	2	2	2	2	1	12	
29	1	1	1	1	1	1	2	4	7	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	
30	1	0	0	0	0	1	20	8	4	26	27	29	28	28	26	23	21	7	3	2	1	2	2	2	11	
MEAN	17	13	9	8	7	9	20	29	27	18	14	13	11	14	13	16	17	17	19	23	21	21	20	18	16.4	

PERCENTAGE OF DATA VALID - 98.9

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH													MONTH - DEC 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	0	0	0	1	3	4	3	4	8	7	****	12	13	5	10	4	4	6	20	19	21	
2	17	17	10	5	3	0	2	4	6	3	16	12	15	17	28	32	40	42	48	46	38	27	23	24	20
3	10	22	12	5	2	1	2	4	4	3	4	4	6	13	2	1	1	1	1	1	1	2	2	3	4
4	1	1	2	2	1	1	2	4	4	2	1	1	1	1	0	1	1	2	1	1	1	1	1	1	1
5	1	0	0	0	0	0	0	1	2	2	1	2	1	1	1	2	3	3	2	3	3	2	1	3	1
6	1	1	0	1	1	1	3	7	10	9	6	5	15	20	5	3	4	4	9	28	21	25	29	11	9
7	10	13	11	10	9	14	20	16	45	23	29	27	3	1	****	0	0	0	1	1	1	0	1	2	10
8	1	15	28	22	25	8	24	63	62	49	49	33	30	30	36	48	37	40	37	41	34	29	24	23	33
9	25	23	15	9	5	5	14	30	33	29	29	29	26	26	17	17	16	11	3	1	0	0	0	0	15
10	1	2	0	1	1	2	2	2	1	0	1	5	15	18	21	10	12	1	0	1	1	1	0	0	4
11	0	0	0	0	0	0	1	4	6	6	5	6	4	4	****	4	8	8	8	8	7	5	2	3	4
12	4	2	1	1	1	1	1	3	4	3	2	1	2	4	2	2	3	4	2	1	0	1	1	1	2
13	0	0	0	0	0	0	0	0	1	0	1	2	1	****	****	0	1	2	2	9	3	5	6	12	2
14	8	4	2	2	2	4	20	46	10	9	3	1	1	0	0	0	1	2	0	0	0	0	0	0	5
15	0	0	0	0	0	0	0	1	2	2	1	1	1	0	****	1	2	3	2	4	4	4	4	1	1
16	7	14	4	1	1	2	3	6	7	6	10	10	3	3	3	1	3	4	4	3	3	2	2	1	4
17	1	2	2	3	1	0	0	1	2	3	5	7	10	14	15	16	16	17	17	19	19	8	13	16	9
18	9	4	2	1	3	8	25	39	68	54	16	38	32	29	29	29	40	46	35	28	27	26	24	21	26
19	19	11	6	4	5	8	29	54	54	38	29	30	31	32	40	50	****	52	46	39	30	30	32	32	30
20	21	19	12	7	6	6	20	47	49	32	21	10	16	8	12	37	1	1	0	1	1	1	1	2	14
21	3	3	1	0	0	5	17	22	16	19	22	21	22	20	23	32	48	42	40	40	21	15	6	4	18
22	2	1	0	0	0	0	0	1	****	6	3	2	2	2	3	3	1	1	2	2	2	1	1	2	2
23	0	0	0	0	0	0	0	0	0	1	2	3	5	16	11	9	2	5	16	39	30	28	29	37	10
24	37	46	73	31	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
25	0	6	7	4	2	1	2	4	5	10	16	10	16	12	13	14	11	8	7	10	2	1	1	8	7
26	8	4	2	0	0	0	0	0	0	0	0	1	1	4	1	0	1	1	0	0	1	1	1	3	1
27	9	5	2	1	2	2	9	22	18	3	7	12	34	42	23	****	19	17	21	23	15	22	25	39	16
28	34	20	10	5	4	12	24	52	61	48	45	40	39	44	46	52	67	74	57	48	47	43	35	31	39
29	31	18	12	8	8	13	32	61	59	47	47	43	9	2	33	24	48	44	37	34	34	21	21	18	29
30	16	10	2	6	4	4	7	8	18	7	1	0	1	1	1	1	1	3	12	25	23	28	9	9	8
31	15	14	11	7	6	26	26	9	8	24	40	40	25	22	4	3	3	3	2	3	5	3	2	2	13
MEAN	9	9	7	4	3	4	9	17	19	14	13	13	12	13	14	14	13	15	13	15	12	11	10	11	11.5

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	29	14.3	38	83
FEB	28	15.9	32	68
MAR	31	13.6	28	82
APR	30	12.2	25	50
MAY	31	10.4	27	73
JUN	30	13.5	26	77
JUL	31	7.7	21	64
AUG	20	10.7	22	71
SEP	16	18.5	40	78
OCT	31	12.8	31	89
NOV	30	16.4	34	96
DEC	31	11.5	39	74
YEAR	338	12.9	40	96

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	285	81	138	81	55	28	22	690
FEB	235	83	128	99	67	37	17	666
MAR	337	68	112	118	63	18	22	738
APR	285	76	166	136	30	17	0	710
MAY	394	71	132	83	36	16	8	740
JUN	273	72	142	172	36	13	7	715
JUL	445	71	122	73	18	6	2	737
AUG	267	40	75	57	33	11	5	488
SEP	159	36	47	57	52	35	23	409
OCT	362	71	104	97	68	19	17	738
NOV	311	63	106	94	60	33	45	712
DEC	407	80	82	74	46	30	16	735
YEAR	3760	812	1354	1141	564	263	184	8078

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
92.2	0	0.0	1.4	6.5	18.0	33.2	41.5	51.5	58.8	96	12.9

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH

MONTH - APR 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	3	3	3	3	3	2	2	3	3	3	2	2	2	2	2	2	2	2	2
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	3	7	3	2	2	2	2	2	4	3	3	2	2	11	13	2	2	2	3
5	1	1	1	1	1	1	3	7	7	3	2	3	2	2	2	4	5	4	9	19	24	19	21	27	7
6	21	12	6	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
7	1	1	1	2	2	2	4	8	8	4	4	4	3	3	3	3	4	3	3	5	4	3	2	3	3
8	2	2	1	1	1	1	1	1	2	3	2	4	3	3	3	3	4	4	3	3	3	2	2	3	1
9	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	2	2	2	2	2	3	1
10	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	2	2	2	3	9	13	24	6	5	4	4	3	4	4	3	3	2	2	4
12	1	1	1	1	1	1	4	6	4	2	3	3	4	3	3	3	5	2	2	6	14	18	30	5	5
13	2	3	2	2	2	2	4	6	3	2	3	3	3	3	3	4	4	3	3	3	3	2	2	2	3
14	1	1	1	1	1	1	2	3	2	2	2	2	2	2	2	3	3	3	2	4	4	3	3	5	2
15	5	5	3	1	1	1	1	1	2	2	2	3	3	4	3	5	4	4	5	5	5	4	4	6	3
16	4	5	2	1	1	1	1	1	1	2	2	2	2	2	3	5	6	4	2	2	4	3	4	2	3
17	1	1	1	1	1	2	4	7	4	2	2	2	2	2	2	2	5	5	8	12	3	3	6	10	4
18	9	9	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	2	2	1	2	3	3	6	6	7	9	7	6	5	3	2	2	2	3
21	1	1	1	1	1	1	3	7	7	3	3	3	2	3	3	3	3	3	5	8	6	5	4	6	3
22	2	1	0	0	0	0	1	1	1	2	3	3	3	3	3	3	3	5	6	8	6	5	4	6	3
23	3	1	0	0	0	0	0	0	0	0	0	1	1	1	2	2	2	3	5	9	15	23	28	21	5
24	10	4	6	3	1	2	3	4	1	1	2	2	1	0	1	5	3	7	11	11	4	2	5	4	4
25	1	1	1	1	0	0	0	0	1	1	1	1	1	0	0	0	1	1	1	1	1	4	7	21	11
26	6	1	2	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	3	11	10	14	11	3
27	3	2	1	1	1	1	4	3	1	1	1	1	1	1	1	2	3	5	6	8	6	6	5	5	3
28	3	2	2	2	2	2	5	12	7	4	3	2	1	2	3	4	5	6	7	14	20	15	15	13	6
29	11	11	6	3	2	2	2	3	5	4	3	2	3	3	4	4	4	6	5	5	4	3	4	4	4
30	1	1	1	1	0	0	0	0	1	1	1	1	1	1	2	2	2	3	2	3	3	3	3	1	1
MEAN	3	3	2	1	1	1	2	3	3	2	2	2	3	2	2	3	3	3	4	5	6	6	6	6	3.1

PERCENTAGE OF DATA VALID - 98.5

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION												
		STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH												MONTH - APR 78												
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	3	3	3	3	3	3	2	2	3	3	3	2	2	2	2	2	2	2	2	2
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	5	7	5	4	4	5	2
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	3	7	3	2	2	2	2	2	2	4	4	3	3	2	2	11	13	2	2	3
5	1	1	1	1	1	1	3	7	7	7	3	2	3	2	2	2	4	5	4	9	19	24	19	21	27	7
6	2	12	6	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
7	1	1	1	2	2	2	4	8	8	4	4	4	3	3	3	3	4	3	3	5	4	3	2	3	3	3
8	2	2	1	1	1	1	1	1	1	2	3	2	4	3	3	3	3	4	3	3	3	2	3	5	3	3
9	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	2	2	2	2	3	1	1
10	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	2	2	2	3	9	13	24	6	5	4	4	3	4	4	3	3	2	2	2	4
12	1	1	1	1	1	1	4	6	4	2	3	3	4	3	3	3	5	2	2	6	14	18	30	5	5	5
13	2	3	2	2	2	2	4	6	3	2	3	3	3	3	3	4	4	3	3	3	3	2	2	2	3	3
14	1	1	1	1	1	1	2	3	2	2	2	2	2	2	2	2	3	3	3	2	4	4	3	3	5	2
15	5	5	3	1	1	1	1	1	1	2	2	2	3	4	3	5	4	4	5	5	5	4	4	6	3	3
16	4	5	2	1	1	1	1	1	1	1	2	2	2	2	2	3	5	6	4	2	2	4	3	4	2	3
17	1	1	1	1	1	2	4	7	4	2	2	2	2	2	2	2	5	5	5	8	12	3	3	6	10	4
18	9	9	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	2	2	1	2	2	3	6	6	7	9	7	6	5	3	2	2	2	3
21	1	1	1	1	1	1	3	7	7	3	3	3	2	2	2	2	11	9	8	8	7	6	4	3	4	4
22	2	1	0	0	0	0	1	1	1	2	3	3	3	3	3	3	3	5	6	8	6	5	4	6	3	3
23	3	1	1	0	0	1	0	0	0	0	0	1	1	1	2	2	2	3	5	9	15	23	28	21	5	5
24	10	4	6	3	1	2	3	4	1	1	1	2	2	1	0	1	5	3	7	11	11	4	2	5	4	4
25	1	1	1	1	0	0	0	0	1	1	1	1	1	1	0	0	0	1	1	1	1	4	7	21	11	2
26	6	1	2	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	11	10	14	11	3
27	3	2	1	1	1	1	4	3	1	1	1	1	1	1	1	1	2	3	5	6	8	6	5	5	3	3
28	3	2	2	2	2	2	5	12	7	4	3	2	1	2	3	4	5	6	7	14	20	15	15	13	6	6
29	11	11	6	3	2	2	2	3	5	4	3	2	3	3	4	4	4	6	5	5	4	3	4	4	4	4
30	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	2	2	2	3	2	3	3	3	3	1	1
MEAN		3	3	2	1	1	1	2	3	3	2	2	2	3	2	2	3	3	3	4	5	6	6	6	6	3.1

PERCENTAGE OF DATA VALID - 98.5 PERCENTAGE OF DATA INVALID - 1.5 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH														MONTH - MAY 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	2	8	4	2	2	2	2	2	2	3	5	3	3	4	3	4	2	4	2	2
2	1	0	0	0	1	5	11	5	2	2	3	3	2	2	3	6	7	4	5	5	3	4	5	1	3
3	1	1	1	1	1	5	3	1	2	3	3	3	2	4	4	6	7	4	5	6	6	3	7	3	3
4	1	0	0	0	0	5	3	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	3	11	12	16	22	8	4	5	3
7	3	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	3	4	2	1
9	3	3	2	2	2	3	15	12	9	7	2	2	2	2	3	3	5	3	3	3	3	3	3	3	4
10	1	1	1	1	2	3	8	5	3	3	3	3	3	3	3	4	5	2	2	4	6	9	14	8	4
11	10	10	5	6	8	9	11	5	4	3	1	1	1	1	1	1	1	1	1	2	2	2	9	6	4
12	2	1	1	1	1	1	2	2	3	1	1	1	1	1	1	4	3	2	2	1	1	1	1	1	2
13	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	4	3	3	4	2	1	2
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1
15	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	4	6	10	4	2	1
17	1	1	1	1	1	1	1	1	2	2	1	1	1	1	0	1	1	1	1	1	1	1	2	7	8
18	5	3	3	4	6	14	19	8	4	3	2	2	3	2	2	4	6	4	8	12	18	20	27	18	8
19	9	9	11	10	17	24	21	17	13	6	3	3	3	2	2	4	6	4	8	12	18	20	27	18	8
20	3	2	2	1	2	2	2	2	2	1	1	1	1	1	1	2	2	2	2	2	2	2	3	3	2
21	2	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	2	2	3	4	3	4	7	8	2
22	4	2	3	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	3	5	12	24	16	3	4
23	2	2	2	3	6	18	7	2	1	1	0	0	0	0	0	0	0	0	1	1	1	2	3	8	3
24	7	3	2	2	3	4	3	3	1	1	1	1	1	1	1	0	0	0	1	6	13	10	2	1	3
25	1	0	0	0	3	10	7	3	1	1	0	0	0	0	1	1	2	2	3	7	4	2	3	1	2
26	1	0	0	0	2	6	6	3	2	1	1	1	1	2	2	2	2	2	4	10	9	9	13	21	4
27	15	14	15	22	15	5	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4
28	1	5	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	3	6	8	6	7	5	3	2	1	1	1	1	1	1	1	1	1	1	1	1	2
30	4	3	2	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	1	1	1	1	1	4	11	****	3	3	2	1	1	1	2	2	3	2	3	2	2	2	2	2	2
MEAN	3	2	2	2	3	4	5	3	2	2	1	1	1	1	1	2	2	2	3	4	4	4	5	4	2

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH															MONTH - JUN 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	2	3	6	6	5	4	4	3	1	1	1	1	1	1	1	1	1	1	1	1	2
2	2	1	1	1	2	5	9	17	16	11	7	2	2	2	3	4	4	3	3	4	6	5	6	3	5
3	2	2	1	2	2	2	3	3	3	2	2	1	1	1	1	1	2	1	1	2	3	3	5	5	2
4	6	5	3	3	2	4	3	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	2
5	1	2	1	1	1	2	5	4	3	3	3	3	3	2	3	4	3	3	3	4	8	10	9	8	4
6	9	11	9	5	9	17	21	13	5	3	2	1	0	1	1	1	1	1	1	2	2	3	5	3	5
7	2	2	1	0	0	1	1	2	2	1	1	1	1	5	5	5	5	5	6	5	5	7	7	9	3
8	6	6	5	7	9	13	12	14	14	12	8	9	8	8	9	9	9	9	9	9	8	8	7	5	9
9	4	3	2	2	3	8	17	13	7	7	6	6	6	6	6	6	4	4	6	7	7	6	8	8	6
10	8	6	5	5	6	6	10	6	3	3	4	3	3	2	2	2	2	2	2	4	7	9	9	7	5
11	7	4	3	3	4	4	3	3	4	4	4	4	4	3	3	3	4	4	5	6	8	9	5	4	4
12	3	3	3	3	4	8	9	9	7	5	5	5	5	7	6	7	9	16	11	10	6	5	4	3	6
13	2	2	2	2	2	4	9	9	6	7	7	6	6	6	7	9	8	6	6	7	7	8	6	4	6
14	3	3	2	2	3	7	12	10	6	7	6	6	5	5	6	9	8	6	7	9	9	12	14	9	7
15	5	4	3	2	4	9	14	11	7	6	6	4	4	4	6	7	9	6	8	11	13	16	19	22	9
16	18	19	15	12	11	9	8	9	4	2	3	3	3	3	3	3	3	3	3	3	4	5	6	7	7
17	7	8	9	7	4	3	4	4	5	6	6	6	7	7	7	8	6	6	6	6	9	7	5	6	5
18	4	4	4	4	4	4	4	4	4	5	5	4	4	4	4	4	5	5	5	5	7	7	7	4	5
19	5	4	4	4	4	8	22	19	14	8	8	6	6	6	6	7	10	9	5	6	6	6	11	15	8
20	15	16	13	10	9	21	36	24	12	8	5	6	6	6	6	5	6	6	3	3	4	4	5	4	10
21	7	6	5	4	4	5	5	6	13	13	9	10	10	13	12	11	11	9	10	9	7	9	11	8	9
22	6	4	3	3	3	7	12	10	6	5	5	5	5	5	6	8	7	6	6	9	20	29	15	10	8
23	5	3	1	1	2	4	9	8	5	4	5	4	4	4	6	7	8	7	9	12	11	9	5	5	6
24	7	5	3	1	3	4	5	6	3	4	4	2	5	4	4	4	4	4	5	9	17	19	22	35	7
25	54	53	36	20	22	23	14	6	4	3	2	2	2	1	1	1	1	1	2	2	2	4	7	7	11
26	6	5	4	4	5	5	5	7	5	6	7	7	8	8	7	8	8	8	9	8	11	13	13	10	7
27	12	11	10	9	10	15	22	26	19	15	15	15	12	6	5	6	7	8	7	6	9	9	10	10	11
28	8	8	7	8	9	12	15	16	11	9	11	11	11	7	9	10	8	7	8	7	8	9	10	9	10
29	7	4	3	2	3	7	14	11	7	5	5	4	4	5	6	8	7	5	6	10	8	7	8	6	6
30	4	2	1	1	2	3	4	2	1	3	3	6	6	7	7	7	7	6	9	10	9	7	6	4	5
MEAN	8	7	5	4	5	7	10	9	7	6	5	5	5	5	5	6	5	5	6	6	8	8	8	8	6.4

PERCENTAGE OF DATA VALID - 98.3

PERCENTAGE OF DATA INVALID - 1.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH															MONTH - JUL 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	2	3	2	3	5	5	3	1	1	2	3	4	3	4	4	4	4	5	8	12	14	19	12	5
2	11	4	3	3	4	2	1	1	2	1	1	1	1	1	1	1	1	1	1	2	2	2	3	2	2
3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3	3	2	3	3	2	2	2
4	2	3	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	4	10	12	16	22	24
5	16	11	9	7	9	16	27	17	12	13	9	9	9	9	4	6	7	6	6	8	12	9	8	8	10
6	9	10	9	8	10	17	20	14	10	10	9	7	8	7	7	8	7	7	8	9	9	9	8	8	10
7	6	6	6	5	7	12	16	15	12	13	11	9	9	8	8	9	8	8	9	10	12	10	12	10	10
8	10	9	9	9	9	11	13	14	14	13	13	13	11	11	10	9	8	8	8	8	8	8	8	9	10
9	8	7	7	6	5	6	6	7	7	7	7	7	7	7	7	8	6	7	7	9	11	13	11	11	8
10	9	7	5	5	6	7	9	7	6	6	5	5	5	3	5	7	6	5	6	7	6	5	7	4	6
11	3	2	2	2	2	6	12	10	6	5	5	5	6	5	5	6	6	5	7	8	10	11	9	5	6
12	5	4	3	3	4	9	20	13	9	8	6	7	6	6	6	4	4	4	4	6	10	11	10	13	7
13	9	8	6	5	4	7	8	8	6	6	8	8	6	6	6	7	7	9	8	10	11	14	16	11	8
14	9	8	6	6	8	11	15	13	10	10	11	11	9	10	7	6	4	3	3	5	7	8	7	9	8
15	6	7	6	5	7	10	16	10	7	6	6	5	5	5	4	5	5	6	5	6	5	6	8	6	7
16	6	4	3	3	3	2	2	2	3	3	3	2	3	4	4	4	3	4	4	5	4	5	6	4	4
17	4	3	2	2	2	4	12	8	5	5	4	4	4	4	3	6	5	5	7	10	11	10	12	10	6
18	9	5	5	5	8	14	25	16	13	9	10	10	9	7	6	8	8	4	4	5	5	8	9	7	9
19	5	5	5	5	4	8	17	16	13	11	9	7	6	6	5	6	6	9	8	9	11	10	12	12	9
20	8	6	4	5	6	10	11	12	11	10	11	9	9	7	6	7	7	7	8	10	11	10	11	8	9
21	9	9	7	6	6	8	14	10	7	10	6	8	11	14	10	10	9	10	12	14	12	9	10	11	10
22	16	15	10	9	11	12	10	7	8	8	7	9	10	8	6	7	8	7	6	9	6	6	7	7	9
23	7	6	6	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	7	8	8	8	6	6	6
24	5	4	4	4	5	8	13	10	3	3	4	5	4	4	4	3	3	2	2	3	4	4	4	5	5
25	7	9	8	6	4	5	5	4	3	3	3	3	3	3	3	7	7	7	9	3	3	3	6	9	5
26	8	6	4	4	5	8	12	12	8	7	8	7	7	7	7	3	4	5	7	6	5	4	3	2	5
27	5	4	4	3	3	7	11	9	7	6	6	6	7	7	7	5	6	5	6	10	7	6	9	15	5
28	2	2	2	2	2	4	6	5	3	3	3	3	3	3	3	5	6	5	6	10	7	6	9	15	5
29	9	6	6	6	7	6	5	4	4	4	3	4	6	7	9	11	6	6	5	5	4	2	3	3	6
30	3	2	1	1	1	1	1	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2
31	3	3	2	2	2	3	4	3	1	1	1	1	2	2	2	2	2	2	3	3	3	9	16	11	3
MEAN	7	6	5	5	5	7	11	8	6	6	6	6	6	6	5	8	5	5	6	7	8	8	9	8	6.5

PERCENTAGE OF DATA VALID - 98.1

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH

MONTH - AUG 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	12	13	12	14	19	19	27	19	12	5	4	4	4	5	5	2	3	3	2	2	3	7	7	9	9
2	10	12	10	9	10	12	14	13	7	5	4	4	4	8	5	5	6	4	5	5	6	5	4	3	8
3	10	12	10	9	10	12	14	13	7	5	4	4	4	8	5	5	6	4	5	5	6	5	4	3	8
4	0	0	0	0	0	2	12	9	5	4	4	4	4	3	2	2	2	1	2	2	8	11	8	9	4
5	9	13	15	15	15	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	4
6	4	4	5	7	7	6	4	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4
7	15	11	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
8	2	1	1	1	2	6	13	10	5	3	3	2	4	1	1	1	1	1	1	1	1	1	1	1	3
9	1	1	1	1	1	1	2	4	3	2	3	2	1	4	5	3	3	2	4	6	4	5	6	4	3
10	2	1	1	1	1	6	14	8	1	1	1	1	1	1	1	2	2	1	2	8	12	23	23	22	6
11	23	11	7	8	9	12	17	4	1	1	1	1	1	0	0	0	0	0	0	0	1	9	13	25	6
12	28	11	5	6	6	8	4	1	1	0	0	0	0	0	0	0	0	0	0	0	2	5	6	10	4
13	9	8	8	5	7	8	5	1	0	0	0	0	0	0	0	0	0	0	0	1	4	2	8	9	3
14	7	7	5	3	2	8	16	19	3	1	0	0	0	0	0	0	0	0	0	1	1	2	1	3	3
15	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
16	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	1	4	2	2	2	2	2	2	2	3	3	3	4	6	7	4	4	3	3
18	5	9	8	6	7	11	19	11	2	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	4
19	1	1	1	1	1	1	1	1	2	1	2	1	1	1	1	1	1	1	2	2	2	2	1	1	1
20	1	1	1	1	1	1	2	2	1	2	2	2	2	2	1	1	1	1	2	4	5	4	2	2	2
21	1	1	1	1	2	6	13	10	2	1	1	1	1	0	0	0	0	0	2	5	5	8	11	9	3
22	13	9	17	14	11	14	18	15	4	2	2	1	1	1	1	1	1	1	1	1	1	1	2	9	6
23	20	9	5	6	4	8	22	12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4
24	1	1	1	1	1	1	2	4	3	4	4	4	4	4	1	1	1	1	1	1	1	1	1	1	2
25	1	1	1	1	1	2	5	3	1	1	1	1	1	2	2	1	1	3	2	9	12	15	10	7	4
26	7	4	2	1	1	1	4	3	2	2	2	1	1	1	1	1	1	1	1	4	8	3	3	4	2
27	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1
29	1	1	1	1	1	1	10	12	9	5	2	3	3	2	2	2	2	2	3	5	8	10	14	10	5
30	9	6	4	5	8	18	33	25	21	9	5	3	2	1	2	2	3	4	7	11	3	4	2	1	8
31	1	1	1	1	1	2	10	10	3	2	1	1	1	1	2	2	2	2	4	6	12	24	26	18	6
MEAN	6	5	4	4	4	6	9	7	4	2	2	2	2	2	1	1	1	1	2	4	4	5	6	7	3.9

PERCENTAGE OF DATA VALID - 93.7

PERCENTAGE OF DATA INVALID - 6.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH

MONTH - SEP 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	13	5	2	2	2	6	12	6	4	2	2	1	1	***	***	***	***	***	1	1	1	1	2	5	4
2	6	5	4	3	3	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
3																									
4																									
5	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
6	1	1	1	1	1	1	5	7	3	2	1	1	1	1	1	1	1	1	3	5	2	1	0	0	2
7	0	0	0	0	0	2	7	5	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	0	0	0	0	2	1	1	0	0	0	0	0	0	2	10	10	8	7	5	4	2
9	5	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
10	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	3	3	2	0
11	5	5	5	6	8	15	35	31	19	13	7	3	1	1	2	2	2	2	3	2	2	4	7	2	8
12	2	2	2	1	1	2	3	3	3	2	2	2	2	2	2	2	2	1	1	2	1	1	1	1	2
13	1	0	0	0	1	2	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	***	0	0	0	0	1	0	1	1	1	1	0
15	1	1	1	1	1	5	16	10	5	3	3	3	2	2	2	3	2	2	4	2	2	1	1	1	3
16	1	1	1	1	1	2	3	3	3	3	3	3	3	3	3	4	5	4	6	6	5	4	7	6	3
17	7	10	4	2	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1	1	2
18	1	1	1	1	1	1	5	3	1	1	2	1	1	1	1	6	2	1	1	1	1	1	1	1	2
19	1	1	1	1	1	6	10	7	4	1	1	1	0	0	1	1	1	1	1	1	1	1	0	1	2
20	1	1	1	1	1	5	5	2	3	1	1	1	1	1	1	1	1	1	1	1	2	2	7	9	2
21	6	6	8	10	8	13	23	30	15	5	4	5	5	6	7	8	6	7	8	7	5	4	5	3	9
22	2	1	1	1	1	4	8	7	3	1	1	1	***	1	2	2	3	4	7	16	10	7	6	4	4
23	4	5	4	2	4	4	9	9	5	1	1	1	1	1	1	0	0	0	0	0	0	1	2	1	3
24	25	29	22	9	9	9	8	5	2	2	1	1	1	1	1	1	1	3	4	9	3	2	1	1	6
25	1	0	1	1	1	5	15	12	6	3	4	3	***	4	5	6	6	8	9	8	6	4	10	5	5
26	3	2	0	0	0	1	8	13	1	1	2	2	***	1	2	2	1	2	2	2	1	1	1	1	2
27	1	1	1	1	2	5	8	7	5	4	3	1	1	1	1	1	1	3	5	7	3	2	2	1	3
28	1	1	1	1	1	4	14	11	6	4	3	3	3	3	4	7	7	8	12	8	9	12	14	16	6
29	17	13	14	13	12	24	18	32	10	3	3	2	***	0	0	0	0	0	0	0	0	0	0	0	7
30	2	3	1	1	1	1	1	1	2	2	1	1	1	1	1	0	0	0	0	1	2	1	1	1	1
MEAN	4	4	3	2	2	5	8	8	4	3	2	2	1	1	2	2	2	2	3	3	3	2	3	3	3.1

PERCENTAGE OF DATA VALID - 87.8

PERCENTAGE OF DATA INVALID - 12.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT																UNITS - 0.01 PARTS/MILLION									
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH																MONTH - OCT 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	4	5	5	7	6	6	5	2	3
2	1	1	1	1	2	13	20	16	4	2	2	1	1	2	2	3	4	5	2	1	5	7	14	12	5
3	9	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	0	0	0	1	3	6	8	6	10	17	***	***	3	4	5	7	7	9	16	17	13	14	10	7
5	7	8	5	3	3	13	25	11	4	3	3	1	1	1	0	0	0	0	0	0	0	0	0	0	4
6	1	1	1	1	1	5	9	6	4	3	3	4	5	4	5	6	5	9	7	5	4	3	3	2	4
7	2	1	1	1	1	2	2	2	2	3	4	4	4	4	5	4	4	4	4	2	2	2	3	2	3
8	2	1	1	1	1	1	1	1	1	1	2	1	2	2	2	2	2	2	4	6	9	17	13	12	10
9	9	7	7	7	9	11	16	8	6	4	2	2	1	1	1	1	1	2	2	1	1	2	1	1	4
10	1	1	1	1	1	4	10	11	10	6	4	3	2	2	2	5	7	10	6	6	6	10	11	11	5
11	12	8	7	9	5	13	16	12	8	3	2	1	1	1	1	2	1	2	2	1	1	1	1	1	5
12	1	1	1	1	1	2	4	4	3	3	2	2	3	2	2	4	5	12	5	3	5	6	10	9	4
13	3	1	2	2	4	12	24	12	7	6	***	6	4	3	4	8	5	10	4	3	1	0	1	0	5
14	0	1	0	0	0	0	2	2	2	3	3	3	5	6	4	4	8	6	5	3	3	4	10	9	3
15	6	3	2	1	1	1	0	1	1	1	1	1	1	1	0	0	0	1	2	2	2	2	4	1	1
16	0	0	0	0	0	1	3	2	1	1	1	1	0	0	0	0	0	1	5	19	21	21	15	5	4
17	5	5	3	3	4	12	32	33	8	2	7	7	5	***	4	6	6	12	17	9	7	5	5	11	9
18	14	21	21	16	13	17	29	27	19	16	12	9	7	5	5	8	9	9	8	7	6	6	8	5	12
19	4	2	1	1	1	9	24	22	21	18	7	5	5	5	9	17	12	15	18	16	14	10	5	2	10
20	2	1	1	2	4	9	29	39	20	11	9	8	5	4	4	5	6	8	8	8	7	4	7	7	9
21	6	3	2	2	3	3	7	7	6	5	4	3	3	2	2	2	3	3	1	1	1	1	1	1	3
22	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	2	1	2	1	2	3	4	3	2
23	1	1	1	1	1	4	10	11	8	7	8	7	5	5	6	7	8	7	5	7	7	10	13	6	6
24	13	11	11	12	14	25	38	29	17	12	11	6	***	***	***	5	5	4	4	4	4	2	3	2	11
25	2	1	2	2	3	6	10	8	5	5	4	3	2	3	4	3	4	5	3	2	2	2	2	4	7
26	2	2	1	1	2	5	11	11	9	10	9	7	6	7	7	9	11	13	11	10	6	7	5	3	7
27	2	1	1	1	2	6	15	16	8	5	4	6	7	6	7	7	7	10	9	7	6	5	6	4	6
28	3	4	3	2	4	5	9	10	6	5	3	4	3	4	6	6	7	8	6	5	4	6	7	9	5
29	10	9	4	3	3	2	1	1	1	1	1	1	1	1	1	1	1	2	4	5	10	11	9	11	4
30	11	6	2	1	1	1	1	1	2	2	2	1	1	1	1	1	2	4	7	30	16	5	4	3	4
31	3	2	2	1	2	3	10	21	16	11	12	6	4	***	4	8	9	11	7	5	5	6	5	5	7
MEAN	4	4	3	3	3	6	12	11	7	5	5	4	3	3	3	4	5	6	6	6	6	6	6	5	5.2

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH													MONTH - NOV 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	3	1	1	2	4	15	29	20	7	2	2	4	3	3	5	10	13	14	15	12	15	17	10	9
2	6	4	4	4	3	3	6	13	18	8	6	4	4	3	2	4	7	12	9	11	12	14	19	35	9
3	42	43	40	33	31	23	41	58	44	4	3	1	2	1	***	1	1	1	2	4	14	12	10	13	18
4	16	20	17	14	12	6	7	8	10	8	7	5	5	7	4	5	7	11	21	35	55	63	40	30	17
5	26	20	16	13	6	2	1	1	1	2	1	2	2	2	2	1	2	2	3	3	2	3	2	2	5
6	1	1	1	1	1	1	5	14	8	8	8	9	10	***	10	9	9	7	6	6	8	7	7	6	7
7	2	1	1	1	1	1	7	17	16	7	2	2	2	2	4	7	13	18	21	16	12	10	7	9	7
8	8	6	5	5	6	10	34	83	71	24	14	7	4	3	4	4	7	7	5	5	5	4	5	3	14
9	2	1	1	1	1	1	4	9	10	6	5	5	5	5	6	8	14	16	18	24	32	28	33	31	11
10	18	15	16	15	15	8	14	15	9	3	1	1	1	***	1	1	1	1	1	1	1	2	4	11	7
11	9	23	14	11	10	13	15	7	9	5	6	5	6	6	6	9	5	8	7	5	4	3	1	1	8
12	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	1	1	1	0	0
13	0	0	0	0	0	0	1	4	3	3	4	1	0	0	1	2	2	2	2	3	4	2	2	2	2
14	1	2	1	1	1	1	1	4	5	4	2	2	2	2	2	3	4	5	4	3	2	1	1	1	2
15	1	0	0	0	0	0	2	7	10	6	4	4	4	0	0	0	0	2	1	0	0	0	0	0	9
16	41	35	17	3	1	2	14	52	41	4	1	0	0	0	0	0	1	1	1	3	6	3	2	2	1
17	0	0	0	0	0	0	0	0	0	1	1	2	2	3	3	4	4	7	5	4	4	2	2	2	2
18	2	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	2	3	4	5	3	2	2	1	1
19	2	2	1	1	0	0	0	0	0	0	0	1	1	1	1	1	2	3	4	5	3	2	2	1	1
20	0	0	0	0	0	0	1	2	2	1	1	1	1	1	1	3	2	1	4	4	1	1	1	2	1
21	1	0	0	0	0	0	1	3	3	1	1	0	0	0	0	0	0	1	3	9	11	9	8	6	2
22	3	2	1	1	2	2	4	7	10	8	0	***	0	0	0	0	0	0	0	0	0	0	0	0	2
23	0	0	0	0	0	0	0	1	1	1	0	1	0	0	1	1	6	7	5	5	5	4	4	2	2
24	3	2	1	1	1	1	3	9	12	9	10	9	5	4	***	6	9	11	8	6	4	2	1	1	5
25	1	1	0	0	0	0	1	2	3	4	5	6	5	4	5	6	6	7	10	8	5	3	1	0	3
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0
28	1	0	0	0	0	1	2	6	13	18	13	11	10	9	8	***	16	19	11	7	4	3	4	3	7
29	3	2	1	2	2	2	5	9	10	6	5	4	4	4	4	5	6	7	5	4	3	3	3	2	4
30	1	1	1	1	0	0	1	4	5	4	3	3	3	3	***	4	5	6	6	6	4	4	5	5	3
MEAN	7	6	5	4	3	3	6	12	11	5	3	3	3	3	2	4	5	6	7	8	8	8	8	8	5.8

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 33003		LAWRENCE/KENNEDY SCARBOROUGH												MONTH - DEC 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	1	0	0	0	3	8	10	8	9	10	12	15	17	13	7	13	9	6	7	7	4	4	7
2	2	1	1	0	0	0	1	2	4	6	4	3	3	3	8	6	9	6	4	5	3	2	1	0	3
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	0
4	2	1	2	1	1	1	3	4	6	5	4	4	2	2	2	2	3	3	3	2	2	1	2	2	2
5	1	1	0	0	0	0	1	4	6	5	4	4	4	***	3	6	7	7	6	6	5	3	3	3	3
6	2	1	1	1	1	2	6	15	15	11	8	6	4	3	5	8	11	9	7	4	4	4	5	6	6
7	3	2	1	1	1	0	0	2	8	7	2	2	1	0	0	0	0	0	0	0	0	0	0	0	1
8	1	6	8	9	9	9	10	20	18	12	11	7	6	***	9	12	14	11	5	7	8	7	4	1	9
9	0	0	0	0	0	0	0	2	5	5	4	4	4	3	3	3	3	3	2	3	2	1	1	1	2
10	1	1	0	0	0	0	0	0	0	1	1	1	2	2	2	3	2	2	2	2	2	2	2	2	1
11	1	0	0	1	0	1	3	11	13	10	7	7	9	10	10	11	13	8	6	8	12	5	3	4	6
12	3	2	2	2	2	2	3	6	8	6	4	4	4	***	4	8	8	7	4	3	2	2	2	2	4
13	1	1	1	1	1	0	1	3	4	3	3	3	3	2	2	2	3	3	3	2	2	1	1	1	2
14	1	1	0	0	0	0	1	4	9	8	5	3	2	2	2	5	7	6	5	3	3	2	1	1	3
15	1	1	1	1	1	1	2	4	6	5	4	3	3	3	3	***	5	6	6	6	6	5	5	4	4
16	3	4	4	3	2	3	7	13	14	12	12	9	8	6	7	6	4	6	2	2	2	3	3	2	6
17	3	2	3	2	1	0	0	0	0	0	1	1	1	1	1	1	2	1	1	1	1	1	2	2	1
18	1	1	1	1	0	1	3	10	11	12	14	12	8	7	5	5	7	11	9	8	7	5	3	3	6
19	2	1	0	0	0	0	2	9	11	8	4	5	5	5	***	5	10	10	8	10	5	2	1	1	5
20	0	0	0	0	0	0	0	1	3	2	0	0	0	0	0	0	0	0	0	1	1	1	1	2	1
21	6	4	4	2	1	1	1	3	3	2	2	2	1	1	2	2	6	10	8	9	8	6	7	7	4
22	3	3	1	1	0	0	1	4	6	9	5	4	4	4	4	5	5	4	3	4	4	3	2	1	3
23	1	1	0	0	0	0	0	1	1	2	3	3	3	3	4	4	7	9	16	24	29	32	32	31	9
24	30	24	24	12	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
25	0	0	0	0	0	0	0	1	1	2	3	3	4	1	1	1	1	0	0	1	1	1	1	1	1
26	1	1	0	0	0	0	0	0	0	0	1	2	2	2	3	2	3	3	3	3	3	2	3	4	2
27	3	1	1	0	0	0	1	5	7	5	4	3	5	10	***	3	5	5	4	4	4	3	2	7	4
28	9	6	1	0	0	1	3	8	19	12	9	6	5	7	9	9	15	22	22	16	14	15	8	7	9
29	7	4	1	1	2	2	3	9	8	4	3	3	3	0	1	4	6	4	4	2	1	1	1	1	3
30	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	1	2	3	5	3	6	6	6	2
31	10	14	11	5	4	9	10	7	6	5	8	10	6	4	2	2	2	2	2	2	2	2	2	2	5
MEAN	3	3	2	1	1	1	2	5	7	5	4	4	4	3	4	4	5	6	5	5	5	4	4	4	3.8

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.8 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT		UNITS - 0.01 PARTS/MILLION		
STATION - C NO 33003		LAWRENCE/KENNEDY SCARBOROUGH		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	5.7	15	49
FEB	28	7.1	13	41
MAR	31	4.9	18	62
APR	30	3.1	7	30
MAY	31	2.8	10	28
JUN	30	6.4	11	54
JUL	31	6.5	10	27
AUG	28	3.9	9	33
SEP	26	3.1	9	35
OCT	31	5.2	12	39
NOV	30	5.8	18	83
DEC	31	3.8	9	32
YEAR	356	4.9	18	83



## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	470	168	71	20	6	2	0	737
FEB	349	197	87	23	3	2	0	661
MAR	542	128	44	11	4	4	2	735
APR	620	54	25	10	0	0	0	709
MAY	638	56	32	7	0	0	0	733
JUN	358	260	74	11	3	0	2	708
JUL	317	318	91	4	0	0	0	730
AUG	534	91	59	12	1	0	0	697
SEP	525	73	24	7	3	0	0	632
OCT	485	157	74	16	4	0	0	736
NOV	502	107	64	11	14	7	7	712
DEC	557	130	41	7	3	0	0	738
YEAR	5897	1739	686	139	41	15	11	8528

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
97.4	0	0.1	1.0	2.5	5.1	10.3	14.4	21.3	27.7	83	4.9

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34002 SC CTR 770 DON MILLS RD, NORTH YORK

MONTH - JUL 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
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22																									
23																									
24																									
25																									
26																									
27	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1
28	0	0	0	1	1	1	2	2	1	****	0	0	0	0	0	1	1	1	1	1	1	1	1	4	1
29	7	7	7	5	2	2	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2
30	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	5	5	3	1
31	4	5	5	4	2	2	3	2	1	1	1	1	1	1	1	1	1	0	0	0	1	3	4	6	2
MEAN	2	3	3	2	1	1	2	1	1	1	1	1	0	0	1	1	1	0	0	0	1	2	2	3	1.3

PERCENTAGE OF DATA VALID - 16.0

PERCENTAGE OF DATA INVALID - 84.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK														MONTH - AUG 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	7	8	8	9	9	11	13	16	4	1	1	1	1	1	1	1	1	0	0	1	3	2	3	3	4
2	3	3	4	4	4	5	10	9	3	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	2
3	0	0	0	0	0	1	1	1	1	0	0	1	1	0	0	0	0	1	1	0	0	0	0	0	0
4	0	0	0	0	0	1	2	2	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
5	10	11	13	13	13	13	13	11	6	1	1	0	0	0	0	0	0	0	0	0	2	7	6	8	1
6	4	5	4	5	5	5	6	4	1	1	1	1	0	0	0	0	0	0	0	0	0	0	2	1	5
7	6	8	8	8	7	7	6	3	1	0	0	0	0	0	0	0	0	0	0	0	1	2	2	4	3
8	3	4	4	5	2	2	4	1	2	1	***	1	1	1	1	1	1	1	1	0	0	1	3	3	2
9	0	0	0	0	0	0	0	0	0	2	2	1	1	0	0	0	1	1	1	0	0	0	0	0	1
10	2	2	0	0	0	0	3	4	3	1	1	1	1	1	1	0	1	1	1	1	0	1	3	4	5
11	13	16	17	16	15	12	13	16	4	2	2	2	1	2	1	1	1	2	1	0	4	4	5	7	7
12	11	14	15	15	14	13	13	9	2	1	1	1	0	0	0	0	0	0	0	0	1	2	3	5	5
13	6	6	6	6	6	7	7	4	1	0	1	0	0	0	0	0	0	0	0	0	1	3	4	4	3
14	4	4	4	4	4	4	8	10	3	3	1	0	0	0	0	0	0	0	0	0	0	2	2	3	2
15	3	3	3	3	3	3	6	5	1	0	0	0	0	0	0	0	0	0	0	2	2	5	1	0	0
16	1	0	0	0	0	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	8	7	8	10	9	9	15	20	7	1	1	2	1	1	0	0	1	1	1	1	2	8	9	9	2
19	0	1	1	1	1	2	2	1	1	1	1	1	0	0	0	0	0	0	0	0	1	2	1	1	4
20	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
21	1	2	2	2	2	4	11	14	11	5	3	1	0	0	0	0	0	0	0	1	2	7	8	10	4
22	11	12	14	16	15	15	18	22	20	2	1	1	0	***	0	0	0	0	0	0	1	3	6	8	7
23	12	13	14	11	10	8	14	18	18	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	5
24	3	2	2	1	1	0	0	2	2	2	1	1	2	3	1	1	1	1	1	0	0	0	0	0	1
25	0	0	0	0	0	1	6	6	2	1	2	1	1	1	1	1	1	2	1	1	3	6	8	13	2
26	13	12	8	6	3	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	3	3	4	5	3
27	8	8	2	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	3	3	4	5	3
28	0	0	0	0	0	0	2	4	1	1	1	1	0	1	***	1	0	0	1	1	1	1	1	1	1
29	0	0	0	0	0	1	2	5	5	2	2	2	1	1	0	0	0	0	0	0	1	0	0	0	1
30	10	9	9	7	7	8	15	23	14	6	3	1	1	1	1	1	1	1	1	1	2	2	1	1	5
31	0	1	0	0	0	0	6	11	8	3	1	1	0	0	0	0	0	0	0	4	8	9	14	24	5
MEAN	4	5	5	5	4	4	6	7	4	1	1	1	0	0	0	0	0	0	1	1	2	3	4	4	2.7

PERCENTAGE OF DATA VALID - 99.5 PERCENTAGE OF DATA INVALID - 0.5 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION										
		STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK														MONTH - SEP 78										
HOUR DAY		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	24	24	22	19	14	14	19	16	7	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	0	7
2	3	4	5	4	3	3	5	3	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	2
3	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	0	1
4	0	0	0	1	1	1	2	2	1	1	1	1	0	0	0	0	0	0	0	2	0	0	0	1	2	1
5	4	3	3	4	5	5	12	18	7	2	4	4	1	0	0	0	0	0	0	0	2	1	1	0	0	3
6	0	0	1	1	2	1	1	1	2	2	1	0	0	0	0	0	0	0	0	0	2	1	1	0	0	1
7	0	0	0	0	0	0	0	0	1	2	2	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
8	0	0	0	0	0	0	1	1	2	1	1	1	1	1	1	1	1	0	0	1	4	5	6	4	2	1
9	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7	4	1	1	2
10	1	1	1	1	1	1	1	1	1	2	1	2	2	2	1	1	1	1	1	1	1	5	8	10	10	2
11	10	10	10	11	12	15	22	28	32	18	3	2	1	1	1	1	1	1	1	1	2	1	2	2	2	8
12	1	1	1	1	1	2	3	3	3	3	3	1	1	1	1	1	1	1	2	2	2	1	1	1	1	2
13	1	1	1	1	1	1	4	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
14	0	0	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1
15	0	0	1	1	1	1	3	6	4	2	1	0	1	1	1	1	1	1	1	1	0	0	0	0	0	1
16	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	2	3	7	1	1
17	8	7	10	10	5	1	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	2	3	7
18	0	0	0	0	0	0	4	4	3	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2
19	1	0	0	0	0	1	5	9	6	3	4	***	***	***	1	1	1	1	1	1	2	1	0	1	0	2
20	0	0	0	0	0	1	4	5	1	1	1	1	1	1	1	0	0	1	1	2	2	4	2	3	4	1
21	5	6	8	7	7	9	15	26	24	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	5
22	0	0	0	0	0	1	7	8	4	***	1	1	1	1	1	1	1	0	1	4	11	12	9	7	13	4
23	11	9	8	7	7	8	9	11	14	3	1	1	1	1	1	1	0	0	0	1	2	9	7	9	12	6
24	17	23	26	25	21	16	13	12	6	2	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	7
25	0	0	0	0	0	1	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	7	6	5	2	1	3	14	23	1	1	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	3
27	0	0	1	0	0	1	3	4	4	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1
28	0	0	0	0	0	0	2	3	1	1	1	1	1	1	1	1	1	1	1	2	7	10	13	17	3	
29	18	20	19	20	18	20	26	34	42	15	2	1	1	1	0	1	1	1	1	2	1	1	1	1	1	10
30	3	6	5	5	5	7	10	12	2	1	1	1	1	1	1	1	1	0	1	1	0	1	0	0	0	3
MEAN	4	4	4	4	4	4	6	8	6	3	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	2.8

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* IND

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION												
STATION - C NO 34002 SC CTR 770 DON MILLS RD, NORTH YORK															MONTH - OCT 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	1	2	1	2	4			
2	4	3	3	0	1	2	9	19	8	2	1	0	1	1	1	1	1	1	3	5	9	9	12	16	5		
3	18	19	19	19	15	0	1	1	1	1	1	1	2	1	1	1	1	1	1	0	0	0	1	0	4		
4	0	0	0	0	0	0	1	3	4	5	4	3	***	1	2	2	2	1	1	3	5	7	6	5	2		
5	6	6	5	4	4	6	14	20	4	2	1	1	1	1	1	1	2	2	2	1	1	1	1	1	4		
6	0	0	0	0	0	0	1	2	2	2	1	1	2	***	1	1	1	1	1	0	0	0	0	0	1		
7	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0		
8	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	1	3	5	7	8	6	2		
9	8	8	7	6	7	8	10	13	9	4	2	1	1	1	1	1	1	0	0	1	0	1	1	0	4		
10	0	1	1	1	1	1	3	5	5	4	2	1	1	1	1	1	2	4	2	0	2	4	4	5	2		
11	6	4	3	3	5	9	16	24	34	3	2	1	1	1	1	1	1	3	6	12	6	0	0	0	6		
12	0	0	0	0	0	0	0	2	2	1	1	1	1	1	1	1	1	2	1	0	0	1	2	7	1		
13	6	2	1	1	1	1	5	6	6	2	1	0	1	1	1	1	1	0	1	1	1	1	1	0	2		
14	0	0	0	0	0	0	1	1	1	2	1	2	1	1	1	1	1	0	1	1	0	1	2	5	1		
15	6	3	1	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	1	2	4	5	8	2	2		
16	0	0	0	0	0	1	5	6	2	1	1	1	1	1	1	1	1	3	***	***	***	***	***	***	1		
17	DATA INVALID -															3	3	4	4	5	5	6	5	5	6	5	***
18	4	3	1	1	1	4	12	23	24	11	2	1	2	2	4	4	7	9	9	9	10	6	1	1	6		
19	1	1	2	2	3	7	19	26	26	16	5	4	***	4	2	2	3	8	13	1	2	3	4	3	7		
21	3	1	1	2	1	3	5	6	3	3	2	2	2	1	1	1	1	1	1	1	1	2	1	1	2		
22	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1		
23	1	1	1	1	1	1	2	3	2	1	1	1	1	0	0	1	2	4	5	7	13	19	26	29	5		
24	32	33	35	37	40	41	42	51	64	18	9	10	3	***	0	1	1	2	2	2	3	2	2	4	19		
25	2	2	2	2	3	6	7	9	5	3	4	4	3	1	3	2	1	2	1	3	0	0	0	1	3		
26	1	1	1	1	1	1	2	3	3	3	2	1	1	0	0	1	1	1	1	2	3	2	2	2	2		
27	0	0	0	0	0	1	5	7	5	2	1	2	4	***	3	2	2	2	3	2	1	2	4	3	2		
28	1	1	1	2	2	2	4	9	4	1	1	1	1	0	0	0	0	1	1	1	1	1	4	3	2		
29	10	8	11	10	10	9	9	6	4	2	1	1	1	1	1	1	2	4	12	15	18	23	29	31	9		
30	31	26	22	1	1	1	2	6	3	2	2	2	2	1	2	2	4	9	24	25	27	37	4	2	10		
31	2	2	3	2	1	2	4	9	16	10	8	3	1	1	1	1	1	2	1	1	1	1	2	4	3		
MEAN	5	4	4	3	3	4	6	9	8	4	2	2	1	1	1	1	2	2	3	4	4	5	5	5	3.7		

PERCENTAGE OF DATA VALID - 93.5 PERCENTAGE OF DATA INVALID - 6.5 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. \*\*\* INDICATES DATA IS UNAVAILABLE  
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
		STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK														MONTH - NOV 78											
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1		9	6	5	3	2	2	5	21	30	31	10	1	2	2	2	2	3	8	11	4	6	8	12	10	8	
2		5	3	5	5	5	3	4	8	11	6	4	2	2	1	1	1	2	5	5	6	8	17	27	26	7	
3		25	23	24	25	27	28	30	42	56	65	3	2	3	***	2	2	6	6	18	23	25	30	35	42	24	
4		36	29	34	21	16	7	9	12	13	9	9	5	6	5	4	6	6	8	15	28	32	34	42	47	18	
5		50	49	48	43	41	41	39	41	36	18	2	2	2	1	1	1	1	1	2	3	2	2	2	2	18	
6		2	2	2	2	2	2	2	8	8	3	2	3	2	1	1	2	1	2	2	1	0	1	3	5	2	
7		2	1	1	1	1	1	2	4	5	3	1	1	1	1	1	1	7	23	16	10	19	24	22	23	7	
8		23	20	17	17	16	16	19	30	54	58	8	7	4	3	3	3	4	6	4	3	4	3	8	2	14	
9		2	1	2	1	1	1	2	5	6	4	3	3	2	3	4	4	6	15	8	12	22	29	27	35	8	
10		37	35	32	28	27	26	28	39	26	6	4	3	2	***	4	3	3	4	6	8	6	5	15	17	16	
11		21	21	24	23	22	21	15	6	7	4	4	3	2	2	2	15	9	2	2	2	2	2	2	2	9	
12		2	2	2	2	2	1	1	1	1	1	1	1	1	2	1	1	1	1	3	3	4	3	3	2	2	
13		1	1	1	1	1	1	2	8	8	6	3	3	4	4	4	5	8	5	5	5	5	2	2	2	4	
14		1	2	1	1	1	1	1	2	3	4	2	2	2	1	***	2	2	2	2	2	1	1	1	1	2	
15		1	1	1	1	1	2	2	3	5	5	2	2	1	1	1	2	3	9	19	25	27	33	37	44	9	
16		53	59	62	59	50	37	17	35	40	28	2	1	1	1	1	2	3	6	8	6	6	3	1	1	20	
17		1	1	1	1	1	1	2	4	3	4	3	4	3	2	2	2	3	2	2	2	1	2	2	1	2	
18		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	
19		2	1	1	1	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
20		1	1	1	1	1	1	1	3	4	3	2	2	1	1	2	1	2	2	2	2	2	2	2	2	1	2
21		1	1	1	1	1	1	2	5	6	5	***	3	3	3	3	6	6	8	16	18	21	17	14	10	7	
22		9	7	5	4	3	6	8	16	22	5	1	1	1	1	2	2	3	2	2	2	2	2	2	2	5	
23		1	2	1	1	1	1	2	6	7	6	4	3	2	3	***	3	4	4	4	5	6	5	5	3	3	
24		4	3	3	3	3	3	4	6	10	9	***	4	2	1	1	2	3	4	4	5	3	1	1	1	3	
25		1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	0	0	1	
26		1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1	1	1	1	1	1	
27		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
28		0	0	0	0	0	1	1	3	10	11	8	7	4	4	4	8	4	5	3	1	1	1	1	2	3	
29		2	1	0	0	1	0	2	3	6	4	***	2	3	3	3	2	2	2	1	1	2	2	3	2	2	
30		1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	
MEAN		10	9	9	8	8	7	7	11	13	10	3	2	2	2	2	3	3	5	6	6	7	8	9	10	6.7	

PERCENTAGE OF DATA VALID - 98.9 PERCENTAGE OF DATA INVALID - 1.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 34002		SC CTR 770 DON MILLS RD. NORTH YORK												MONTH - DEC 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	0	1	1	1	2	3	3	5	6	6	7	8	9	2	6	5	2	3	3	2	2	3
2	1	1	1	1	1	0	1	1	3	2	2	1	1	1	1	1	1	1	3	5	5	4	3	2	2
3	1	3	2	1	1	1	1	1	1	1	2	2	2	1	3	1	2	2	2	2	2	2	3	5	2
4	3	2	2	2	1	1	1	2	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	2	3	3	2	***	2	2	1	2	2	3	3	3	2	2	1	2	2
6	2	2	2	2	2	2	2	5	8	6	5	3	1	1	1	2	2	3	4	3	2	1	1	1	3
7	2	1	1	1	1	1	2	6	8	5	5	3	2	3	3	2	4	3	2	3	2	2	5	4	3
8	5	9	9	8	8	6	7	11	12	***	4	1	1	1	1	3	3	3	2	2	1	1	1	1	4
9	1	1	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	1	4	5	5	2	2	2	3	3	5	6	7	8	8	5	2	1	1	3
12	2	2	1	1	1	1	1	3	2	1	1	1	1	1	***	2	1	2	1	1	1	0	0	0	1
13	0	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
14	0	0	0	0	0	0	0	1	4	***	2	1	1	0	1	2	3	1	1	0	0	0	0	0	1
15	0	0	0	0	0	1	1	1	2	2	1	1	1	1	1	1	2	2	3	2	3	3	3	1	1
16	1	1	1	1	1	3	5	5	6	8	5	4	2	3	2	2	3	5	6	2	4	2	1	1	3
17	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	3	10	15	9	***	2	1	1	1	1	1	1	1	1	1	1	1	2
19	0	0	0	0	0	0	0	2	3	2	1	1	1	1	1	1	1	2	2	1	1	2	1	1	1
20	1	1	1	1	1	1	1	3	4	2	1	2	3	1	2	1	1	2	2	4	4	5	3	3	2
21	5	4	3	2	1	1	1	1	1	1	1	1	1	1	0	1	2	2	3	3	1	3	3	1	2
22	1	1	1	1	1	1	1	4	4	3	2	3	3	2	3	1	1	1	1	1	1	1	1	1	2
23	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	1	4	12	18	20	22	26	5	8
24	30	35	39	38	14	1	1	1	0	0	1	1	1	1	1	2	3	2	2	2	2	3	2	8	1
25	2	1	1	1	0	0	0	0	0	1	2	1	1	1	1	0	0	0	0	0	0	0	0	0	1
26	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	2	1	1
27	1	1	0	1	0	0	1	2	3	2	***	1	1	1	1	1	1	1	1	1	2	1	1	6	1
28	10	9	7	3	0	0	1	2	11	4	1	1	2	1	1	3	11	16	18	20	22	22	21	8	8
29	18	10	5	4	3	2	4	9	17	10	9	6	6	2	2	2	4	7	6	6	4	1	2	2	6
30	2	1	1	1	1	1	1	2	1	1	1	1	2	2	3	5	4	4	6	6	11	11	10	16	4
31	18	18	19	13	12	14	13	11	9	5	8	11	8	7	4	4	4	3	4	4	4	5	5	4	9
MEAN	4	3	3	3	2	1	2	3	4	3	3	2	2	2	2	2	2	3	3	3	3	3	3	3	2.6

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN			DATA UNAVAILABLE	
FEB			DATA UNAVAILABLE	
MAR			DATA UNAVAILABLE	
APR			DATA UNAVAILABLE	
MAY			DATA UNAVAILABLE	
JUN			DATA UNAVAILABLE	
JUL	5	1.3	2	7
AUG	31	2.7	7	24
SEP	30	2.8	10	42
OCT	29	3.7	19	64
NOV	30	6.7	24	65
DEC	31	2.6	9	39
YEAR	156	3.6	24	65

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	DATA UNAVAILABLE							
FEB	DATA UNAVAILABLE							
MAR	DATA UNAVAILABLE							
APR	DATA UNAVAILABLE							
MAY	DATA UNAVAILABLE							
JUN	DATA UNAVAILABLE							
JUL	115	4	0	0	0	0	0	119
AUG	610	74	52	4	0	0	0	740
SEP	620	44	35	13	2	1	0	715
OCT	581	62	26	14	9	2	2	696
NOV	529	70	32	42	18	13	8	712
DEC	658	45	26	6	3	0	0	738
YEAR	3113	299	171	79	32	16	10	3720

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
84.2	0	0.0	0.2	0.8	2.0	8.4	16.2	26.8	35.9	65	3.6

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34007 BATHURST/WILSON, NORTH YORK

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	7	10	10	9	10	5	2	2	2	2	3	4	8	14	15	12	9	6	1	0	0	0	0	0	5
2	1	1	1	1	1	1	1	2	7	4	7	4	2	2	3	9	7	7	5	4	4	3	3	3	3
3	3	1	1	1	1	1	3	14	17	13	9	3	1	1	1	1	2	3	7	11	6	5	6	10	5
4	12	4	1	1	2	4	7	36	69	46	29	28	27	22	25	22	13	12	12	6	6	4	3	2	16
5	1	1	1	1	1	1	4	7	25	29	21	18	32	33	40	31	53	59	38	23	21	9	17	3	20
6	1	1	1	1	1	1	20	43	47	41	33	30	30	35	37	41	44	39	22	20	18	17	14	12	23
7	11	8	4	1	1	2	6	13	24	25	18	13	16	22	33	36	33	33	36	30	24	12	14	15	18
8	14	14	11	7	4	5	9	9	12	13	11	13	22	24	27	28	30	16	8	4	3	2	1	1	12
9	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0
11	1	1	1	4	1	1	3	6	7	5	3	4	5	2	1	1	1	2	1	3	9	10	12	12	4
12	6	3	3	2	2	2	3	4	25	32	23	11	5	10	23	39	32	47	60	33	22	33	36	28	20
13	25	18	11	12	16	17	37	43	38	30	28	17	12	8	9	12	6	3	2	1	1	1	1	1	15
14	1	1	0	0	0	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	0	0	0	1	1	2	1	1	1	1	1	1	1	1	2	3	1	1	1	4	1
16	7	4	1	1	3	4	2	4	8	11	10	9	6	7	8	17	21	15	10	12	11	15	31	29	10
17	13	10	11	8	4	4	3	5	9	17	22	7	11	***	21	29	16	8	10	3	1	1	1	1	9
18	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	5	12	8	3	3	5	8	9	3
19	8	12	13	7	15	27	12	50	63	42	22	7	2	2	1	2	4	5	4	4	3	2	4	13	14
20	8	4	2	1	1	2	9	8	5	6	8	2	1	****	1	1	1	1	1	1	1	1	1	1	3
21	1	1	1	1	1	1	1	1	1	2	1	1	1	2	2	1	2	6	12	15	18	20	14	14	5
22	13	9	13	22	16	7	13	20	22	19	15	12	10	9	8	11	17	22	23	12	11	16	19	17	15
23	10	6	5	6	5	8	6	11	41	32	28	24	23	25	26	30	37	35	23	16	13	14	14	13	19
24	12	6	5	6	6	7	28	42	44	38	38	28	28	-	***	38	38	34	26	29	23	23	26	18	25
25	19	14	21	16	18	18	24	16	23	19	9	6	30	11	37	44	35	44	37	25	17	12	8	7	21
26	5	3	3	2	2	2	5	16	22	22	10	8	8	9	9	***	***	***	***	***	***	***	***	***	7
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	1	1	1	2	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	2	2	2	2	2	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
30	4	15	12	4	2	2	3	4	6	7	4	2	2	1	****	1	3	7	16	9	5	2	5	6	5
31	4	2	2	3	3	2	5	8	19	19	12	8	3	2	4	8	4	6	10	5	2	1	1	1	6
MEAN	6	5	5	4	4	4	7	12	18	16	12	9	9	9	12	14	14	14	13	9	8	7	8	7	9.3

PERCENTAGE OF DATA VALID - 98.4

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 34007 BATHURST/WILSON, NORTH YORK															MONTH - FEB 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	2	4	5	5	3	5	5	1	2	1	1	2	2	2	1	2	2	2	2
2	1	2	7	4	1	2	3	7	12	13	18	21	8	4	4	5	12	22	16	12	13	5	4	2	8
3	2	1	1	2	3	2	6	19	17	9	3	3	2	1	1	1	1	1	1	1	2	2	2	2	4
4	2	2	1	1	1	2	2	4	5	4	3	3	2	1	2	1	2	4	4	9	11	12	10	11	4
5	10	5	4	3	2	5	3	5	9	8	7	7	7	6	4	2	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	2	2	3	3	3	2	2	2	2
8	1	1	1	1	1	1	2	3	10	8	2	2	2	1	1	1	2	4	10	8	9	9	7	4	4
9	3	4	4	3	2	2	2	3	7	4	2	2	1	1	1	1	2	3	12	14	10	5	4	8	4
10	3	4	7	6	2	2	3	10	17	10	4	2	2	2	****	4	18	37	26	3	2	2	2	2	7
11	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2	2	2	2	2	5	6	6	3	
12	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	2	2	
13	2	6	5	2	2	2	2	2	2	1	****	4	****	4	3	9	3	8	4	2	2	2	2	2	3
14	2	6	3	1	1	2	3	5	7	6	2	1	1	****	1	1	1	2	3	6	11	15	22	15	5
15	7	5	7	6	5	5	7	15	21	31	27	21	21	21	24	29	38	40	37	29	26	20	18	19	20
16	18	14	14	14	9	8	18	27	31	30	15	11	16	16	20	24	23	25	24	19	19	20	13	6	18
17	9	6	4	3	3	2	3	13	21	12	4	7	4	3	2	2	4	8	12	26	17	9	21	22	9
18	17	23	20	9	7	8	9	13	14	14	8	7	5	5	3	2	1	1	1	1	3	3	3	4	8
19	5	6	6	6	****	5	5	5	5	4	3	2	2	2	2	2	2	2	2	2	6	4	3	3	4
20	11	14	14	9	8	15	20	34	24	22	28	19	16	12	17	27	34	24	5	5	9	11	9	16	
21	5	2	2	2	4	4	5	6	8	5	3	2	2	2	2	2	2	2	2	3	2	2	2	2	3
22	2	2	2	2	3	2	2	3	7	5	3	2	2	2	2	2	2	2	2	2	3	4	3	3	
23	3	3	3	3	3	3	4	7	11	23	22	15	8	5	3	4	5	4	9	8	2	2	2	2	6
24	2	2	2	2	2	2	2	5	6	4	4	2	2	2	2	2	4	9	15	19	12	9	6	5	5
25	11	13	15	15	15	16	17	19	18	15	11	11	8	2	2	2	2	2	5	4	3	3	4	5	9
26	4	6	4	3	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	
27	3	4	3	5	4	3	3	5	8	5	3	2	2	2	2	2	2	2	3	2	3	4	2	3	
28	2	6	7	4	3	3	9	10	15	10	5	3	****	2	3	4	9	31	30	25	36	29	25	26	13
MEAN	5	5	5	4	3	4	5	8	10	9	7	6	5	4	4	5	6	9	8	8	7	7	7	6	6.2

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION															
STATION - C NO 34007						BATHURST/WILSON, NORTH YORK						MONTH - MAR 78															
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	22	18	8	4	3	3	3	6	6	5	2	2	2	2	2	2	2	2	3	4	7	6	2	2			
2	2	2	2	2	2	2	3	6	7	5	2	2	1	1	1	1	2	2	4	5	2	2	3	5			
3	6	13	4	4	10	13	21	39	37	24	27	23	13	4	2	2	2	2	2	2	2	2	2	2			
4	2	2	2	2	3	3	3	3	3	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2			
5	4	3	5	4	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	3	3	9	11			
6	8	3	2	2	2	3	5	9	8	5	4	2	2	2	2	2	2	2	2	2	4	2	2	1			
7	2	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	2	2	1	1	1	2	3	2			
8	1	1	2	1	1	1	1	5	36	35	28	24	22	20	18	18	18	9	30	39	27	19	20	28			
9	38	32	24	21	23	21	22	26	45	33	29	26	24	21	20	26	34	35	33	25	17	20	20	13			
10	32	25	18	7	4	3	5	8	6	3	2	2	2	2	2	14	19	22	29	28	18	4	2	2			
11	2	2	4	4	1	5	13	21	23	25	17	18	20	17	18	20	16	19	12	7	8	7	6	7			
12	5	10	7	3	2	1	2	1	2	2	2	2	2	2	2	1	1	2	2	2	1	2	2	4			
13	3	4	5	3	12	21	22	27	37	55	35	27	20	20	24	27	29	33	27	19	14	13	19	27			
14	17	9	5	2	3	4	11	31	33	35	33	23	22	****	10	6	3	2	2	2	2	2	1	1			
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1			
16	2	1	0	0	0	0	0	2	26	29	22	18	17	17	23	23	32	35	38	35	34	26	26	28			
17	25	15	11	5	2	6	20	47	44	30	24	20	14	16	13	21	38	37	29	10	5	1	1	1			
18	1	0	0	0	0	0	0	1	1	1	0	0	1	2	3	4	5	6	8	6	8	7	6	7			
19	7	5	3	3	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
20	0	0	0	0	0	1	12	56	48	30	22	20	19	19	22	23	29	30	28	23	17	13	14	15			
21	13	13	13	14	16	13	19	47	63	45	25	20	15	****	8	7	4	3	3	2	2	1	1	1	1		
22	1	1	1	1	1	1	1	1	2	2	1	1	2	6	23	26	32	38	42	32	10	8	5	3			
23	2	1	1	1	1	1	1	3	3	2	2	1	1	1	1	1	1	1	1	1	2	3	3	2	1		
24	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0		
25	0	0	0	0	0	0	3	6	9	10	7	9	10	9	9	10	11	9	9	9	8	5	4	2	6		
26	2	2	1	1	1	1	1	1	1	1	2	3	7	11	12	13	14	13	12	12	11	10	10	9	2		
27	9	5	3	2	1	1	1	1	2	2	2	1	1	1	1	1	1	2	2	2	2	2	3	2	1		
28	1	1	1	1	3	5	12	28	42	30	19	13	12	6	2	3	3	3	6	17	12	12	8	4	10		
29	13	16	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2		
30	3	1	1	1	1	1	1	2	3	4	4	9	5	1	1	1	1	1	1	1	2	3	5	8	9	3	
31	9	3	2	1	1	2	3	6	9	24	27	26	24	****	19	25	37	40	31	23	17	10	7	6	15		
MEAN	8	6	4	3	3	4	6	13	16	14	11	10	9	7	8	9	11	12	12	10	8	6	6	6	8.4		

PERCENTAGE OF DATA VALID - 99.5

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 34007 BATHURST/WILSON, NORTH YORK													MONTH - APR 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	7	7	11	10	12	12	13	17	20	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5
2	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
3	8	8	4	2	1	1	5	20	23	20	16	15	18	17	19	20	24	25	25	19	13	14	17	16	15
4	15	9	6	7	6	8	15	22	45	43	39	29	24	24	12	21	52	56	47	34	18	9	3	1	23
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
6	13	10	8	10	13	21	34	47	34	22	17	15	14	14	15	17	20	18	16	12	8	7	7	8	17
7	9	8	9	3	2	1	1	2	3	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	3	10	1	1
10	8	10	8	7	5	6	11	30	30	26	24	21	18	15	16	15	22	27	21	17	10	7	8	8	15
11	7	7	5	3	4	6	18	41	55	58	40	51	26	8	2	1	1	1	2	5	2	1	1	3	15
12	2	2	1	1	1	1	2	7	9	5	3	4	10	16	20	20	25	36	34	25	11	5	1	1	10
13	10	10	6	1	1	1	3	6	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1
16	2	3	3	2	2	2	2	2	2	2	2	2	2	3	9	13	13	3	2	2	2	2	2	2	3
17	2	2	2	2	2	2	3	3	2	3	3	3	3	3	3	8	21	17	11	9	2	2	2	2	5
18	4	4	3	3	4	8	20	31	29	19	13	11	9	7	***	14	18	17	12	8	6	4	4	5	11
19	5	4	2	1	1	1	6	15	19	23	20	17	15	15	15	14	17	17	15	10	9	7	6	9	11
20	6	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1
21	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	3	5	5	1	1	5	3	1	1	2	2	3	7	7	11	13	12	16	21	27	17	19	16	15	9
24	9	6	7	5	2	1	1	8	32	21	11	13	5	1	1	1	1	1	1	1	4	4	2	1	6
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	3	1	1	1	1	1	1	10	16	20	17	17	14	13	18	22	27	16	14	6	2	1	2	4	10
27	2	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	3	8	4	1	1
29	1	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
MEAN	4	4	3	2	2	3	5	9	11	10	8	8	6	6	6	7	10	10	9	8	5	5	4	4	6.2

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.3 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 34007 BATHURST/WILSON, NORTH YORK													MONTH - MAY 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	2	1	2	6	13	16	25	33	44	26	18	16	16	17	18	20	18	17	17	17	14	16	19	13	17
5	6	3	2	1	1	11	32	31	24	20	22	19	18	23	26	28	26	24	26	23	18	14	13	12	18
6	9	9	5	3	2	2	12	19	18	23	15	2	1	1	6	25	22	20	19	8	2	1	1	1	9
7	1	1	1	1	1	1	6	2	1	1	4	5	8	10	12	12	14	15	17	20	18	21	20	12	9
8	4	1	2	3	2	7	23	32	31	27	26	22	24	26	24	26	27	22	18	14	12	13	12	9	17
9	4	3	5	6	7	23	39	38	46	30	22	16	***	4	2	2	2	2	2	2	3	3	2	1	11
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	12	25	22	3
11	20	17	11	18	21	44	60	45	36	23	18	15	13	15	18	22	27	30	29	31	29	22	15	38	26
12	32	24	15	8	21	41	48	50	38	32	28	29	28	27	13	18	15	9	7	5	6	2	1	1	23
13	7	8	6	4	3	6	10	14	16	14	12	14	18	20	21	17	15	19	22	23	16	11	9	14	14
14	7	3	2	1	1	1	3	6	7	9	8	8	6	6	6	6	7	6	5	4	3	2	2	2	4
15	1	1	1	1	1	3	15	18	15	12	11	12	10	11	14	19	20	24	15	13	11	11	10	10	11
16	4	2	2	2	3	10	32	34	26	19	19	18	20	21	19	23	21	22	14	3	6	6	1	1	14
17	1	1	1	1	1	1	2	29	40	11	11	21	17	15	16	20	22	23	20	20	19	21	18	12	14
18	8	2	2	2	4	6	8	9	6	2	3	1	17	18	17	25	18	22	25	31	34	25	14	6	13
19	5	18	17	6	4	17	48	40	32	***	16	12	15	10	10	6	3	4	4	4	7	31	38	19	16
20	9	3	1	1	1	1	2	4	2	4	12	10	11	7	3	2	1	6	10	11	9	12	12	6	6
21	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0
22	1	0	1	2	1	1	1	1	1	0	0	1	1	1	1	3	9	13	17	21	30	11	8	2	5
23	1	1	1	0	1	5	28	49	32	24	19	17	17	19	23	25	25	26	21	26	24	13	9	4	17
24	1	1	1	1	10	37	47	38	16	16	10	***	11	6	5	9	15	21	25	18	8	7	1	1	13
25	0	0	0	0	0	1	1	1	1	0	1	0	1	0	1	15	18	24	28	27	31	32	29	29	31
26	1	1	1	0	0	1	2	0	0	0	0	0	0	0	1	15	18	24	28	27	31	32	29	29	31
27	37	39	26	26	16	12	22	23	14	11	7	4	4	2	4	8	9	11	15	18	15	17	17	11	15
28	7	2	11	11	15	13	17	4	2	3	5	1	2	2	2	4	6	7	11	18	21	23	20	16	9
29	10	6	3	3	16	25	32	33	16	12	6	3	3	5	12	18	21	20	18	23	25	19	17	11	15
30	6	9	0	0	0	18	35	18	6	11	9	8	7	8	9	10	12	15	15	15	14	11	9	11	11
31	6	3	2	2	4	9	26	11	4	3	3	8	2	***	2	2	2	1	1	1	1	1	1	1	4
MEAN	6	5	4	4	5	10	18	18	16	11	10	9	10	10	10	12	12	14	14	14	13	12	11	9	10.7

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 34007 BATHURST/WILSON, NORTH YORK													MONTH - JUN 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	2	6	13	13	11	15	15	16	19	17	16	16	16	10	8
2	11	9	5	5	11	25	47	15	8	6	2	1	1	1	1	1	1	1	0	1	1	2	1	7	
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
4	2	2	1	4	4	2	1	1	2	2	5	7	10	8	6	6	9	11	12	13	13	24	15	11	
5	5	2	3	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0	0	0	1	2	4	8	
6	8	7	4	6	11	9	18	27	21	16	17	17	14	13	13	17	18	14	14	15	16	19	24	16	
7	10	7	11	11	21	27	48	36	42	36	24	25	-	35	37	35	26	28	28	21	18	20	22	12	
8	12	8	6	5	6	24	32	25	9	2	2	2	1	1	1	1	1	1	1	1	1	1	1	6	
9	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	2	
10	2	2	4	4	7	5	3	10	16	11	12	13	10	8	8	9	8	13	14	21	24	26	22	10	
11	10	7	2	1	1	1	3	2	4	3	4	4	3	3	3	2	1	1	1	4	9	15	21	9	
12	3	1	2	3	7	19	32	34	26	14	13	11	7	2	4	13	6	7	8	9	1	1	1	1	
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
14	0	0	0	0	0	1	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	
15	1	1	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	9	19	23	
16	22	17	14	13	16	27	44	51	35	25	20	18	19	18	20	25	27	22	26	25	23	23	22	25	
17	23	21	15	8	7	14	19	14	11	11	13	10	13	11	11	10	8	7	7	6	10	6	7	10	
18	10	4	5	3	2	2	3	4	5	6	3	2	2	2	2	2	2	2	1	1	1	1	1	3	
19	1	1	1	1	1	8	5	6	4	2	2	2	1	1	1	1	1	1	1	1	1	1	2	5	
20	8	4	1	1	1	2	5	8	2	1	0	0	4	10	10	11	10	13	13	13	14	15	17	17	
21	17	15	6	1	1	15	48	38	23	40	37	27	12	4	2	1	1	1	1	1	1	1	1	1	
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	10	19		
23	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2		
24	1	1	1	1	1	1	1	1	1	3	2	2	7	9	8	9	8	11	12	16	24	27	14		
25	15	10	7	15	17	17	19	11	8	7	7	7	7	5	5	7	10	11	13	17	25	24	28		
26	13	7	4	5	8	21	30	34	33	24	15	16	12	9	13	16	16	13	13	12	4	5	6		
27	3	2	2	2	15	21	14	7	4	10	12	***	9	2	2	2	1	1	1	2	1	1	1		
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
30	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0		
MEAN	6	5	3	3	5	8	13	12	9	8	7	6	5	6	6	6	6	6	7	7	7	9	9	7	

PERCENTAGE OF DATA VALID - 99.7 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 0.1

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 34007 BATHURST/WILSON, NORTH YORK													MONTH - JUL 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	1	1	1	8	7	7	12	11	9	8	5	5	6	8	12	11	9	9	6	6
2	4	2	1	1	1	3	7	6	5	6	7	7	7	7	7	7	7	8	9	11	18	19	19	16	8
3	7	5	2	1	1	2	5	6	5	4	4	5	7	8	12	12	16	20	15	12	12	11	8	5	8
4	2	2	1	1	2	12	33	32	24	17	17	14	13	13	16	17	21	18	17	17	12	5	6	8	13
5	7	4	4	5	4	5	3	7	24	8	3	10	11	12	13	16	19	16	10	11	12	15	16	16	10
6	15	7	3	2	2	7	21	15	8	9	13	14	9	8	***	9	14	14	13	4	1	4	2	3	9
7	2	2	2	2	3	11	25	27	18	16	9	10	10	11	10	11	11	11	10	13	12	12	9	5	11
8	5	4	4	4	3	5	7	8	8	9	9	7	3	2	2	2	2	1	1	1	1	1	1	1	4
9	1	1	1	1	1	1	1	1	1	1	1	1	2	5	5	5	5	7	9	11	17	10	9	4	4
10	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	***	0	0	0	0	1	1	3	3	1
11	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	***	0	0	0	0	0	2	4	4	1
12	2	1	0	0	0	2	4	4	2	***	3	7	14	14	16	18	17	16	14	15	20	23	23	23	10
13	15	11	8	7	8	17	30	27	22	17	15	14	12	12	***	16	17	6	1	1	2	2	2	2	11
14	2	2	2	2	3	13	3	2	2	2	1	6	11	10	***	16	7	6	9	9	3	3	3	3	5
15	4	4	5	4	6	5	3	6	8	12	11	11	6	6	6	6	7	3	3	3	3	2	2	2	5
16	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2
17	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	0	1	2	3	2
18	5	3	3	2	2	2	5	13	11	6	7	14	***	10	10	12	13	11	9	11	15	12	14	9	9
19	7	7	6	5	5	20	43	41	35	23	18	14	10	8	9	10	7	5	4	4	1	2	8	12	13
20	7	4	3	4	6	15	30	31	21	12	10	6	5	7	8	12	13	12	14	12	4	4	4	4	10
21	4	4	5	7	8	12	10	11	32	22	29	21	15	10	12	6	4	3	3	2	3	3	3	3	10
22	8	12	9	6	5	5	5	4	3	7	11	9	7	6	6	6	7	5	4	6	5	10	10	11	7
23	9	7	4	4	4	4	4	4	3	3	3	2	1	1	1	1	1	1	0	0	0	0	0	0	3
24	0	0	0	1	1	3	6	10	22	16	15	16	16	14	15	19	23	24	19	20	24	20	17	17	13
25	6	4	3	2	3	7	20	37	29	18	11	12	11	10	9	10	13	15	13	9	9	10	11	8	13
26	6	4	3	2	3	7	24	33	26	17	11	9	8	12	***	11	12	12	10	3	2	1	4	3	10
27	4	2	1	1	2	5	18	8	2	3	2	1	1	2	1	2	4	6	9	4	1	1	1	0	3
28	0	0	0	0	0	0	2	2	2	1	1	0	***	0	0	0	0	11	20	17	15	16	7	3	4
29	5	10	9	6	4	8	14	12	10	13	15	7	4	2	1	1	1	0	0	0	0	0	0	0	5
30	0	0	0	0	0	0	0	0	0	0	0	6	6	10	9	11	12	15	18	21	23	18	9	13	7
31	7	9	7	8	17	37	34	24	16	15	14	13	13	***	10	15	20	19	11	14	9	6	5	6	14
MEAN	5	4	3	3	3	7	12	12	11	9	8	8	8	7	7	9	9	9	8	8	8	7	7	6	7.4

PERCENTAGE OF DATA VALID



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION												
		STATION - C NO 34007 BATHURST/WILSON, NORTH YORK												MONTH - AUG 78												
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	7	5	10	5	19	31	45	29	19	16	15	8	8	10	13	20	13	13	10	10	9	1	7	9	14	
2	2	1	1	1	6	35	40	29	19	16	13	***	7	9	9	12	14	13	11	9	3	3	3	3	4	11
3	3	2	2	3	2	2	2	2	2	1	1	1	1	1	1	7	21	23	21	18	4	1	3	7	11	7
4	1	0	0	0	0	2	2	2	1	1	1	1	1	1	7	21	23	21	18	4	1	3	7	11	7	
5	10	9	9	11	15	18	15	7	12	9	4	6	3	5	6	6	7	8	9	9	9	9	8	5	2	8
6	2	2	2	4	4	7	4	1	1	1	1	1	1	1	2	3	2	2	4	6	13	17	17	18	8	5
7	7	4	4	6	5	1	1	1	1	5	8	4	5	8	8	9	12	13	14	12	16	17	20	8	10	8
8	14	9	4	7	3	12	24	23	25	13	6	3	6	13	***	3	3	2	2	2	2	2	1	1	1	4
9	1	1	1	1	1	1	9	15	16	17	3	5	2	2	1	2	3	2	1	1	1	1	1	5	2	4
10	1	1	1	1	1	3	6	3	5	16	12	10	12	13	***	28	27	22	21	20	28	23	25	19	13	
11	13	8	4	2	2	2	7	40	34	24	20	18	18	21	18	17	16	23	20	20	19	20	20	33	17	
12	22	9	9	8	3	3	3	1	1	1	1	1	1	1	3	4	4	2	3	9	10	14	15	11	5	6
13	5	1	2	1	1	1	1	1	1	1	2	4	2	2	2	2	3	7	11	1	1	1	3	4	3	
14	3	2	1	2	1	2	6	5	2	3	7	9	9	10	8	9	9	8	10	13	14	15	19	21	8	
15	19	12	7	5	8	22	45	40	30	19	18	14	9	9	11	13	10	3	3	13	21	18	13	11	16	
16	8	5	6	7	6	12	23	27	23	***	22	17	12	10	15	13	8	5	2	2	1	1	1	1	1	10
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	2	3	3	1	
18	7	9	7	2	1	4	6	17	26	24	***	15	14	15	16	14	16	18	16	17	14	13	14	16	13	
19	13	10	7	6	6	9	13	16	15	12	14	11	9	7	6	7	7	3	3	2	1	1	1	1	1	8
20	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
21	0	1	1	1	2	3	4	3	14	15	11	7	10	8	10	18	22	21	20	15	15	20	25	27	11	
22	27	24	21	15	10	12	44	64	41	7	11	11	13	7	10	13	17	12	10	8	13	10	14	15	18	
23	9	2	0	0	0	1	3	3	19	16	11	9	12	***	8	17	16	17	13	11	12	16	11	3	9	
24	9	8	4	1	3	8	30	33	20	20	16	4	20	12	28	28	26	20	18	15	13	11	9	8	15	
25	6	2	1	1	1	1	2	2	13	21	3	1	1	1	1	1	1	1	1	1	3	6	2	2	3	
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	6	6	7	8	5	3	1	1	2	
27	3	1	3	7	5	4	7	7	7	8	7	8	8	9	9	8	11	12	13	12	10	9	9	6	8	
28	3	1	1	2	4	11	31	28	23	23	8	5	5	3	4	10	13	10	13	4	2	2	2	2	10	
29	1	1	1	1	1	5	16	29	29	20	19	12	1	1	1	1	0	0	0	1	2	3	3	3	6	
30	3	2	6	10	5	6	19	59	29	17	17	8	8	20	23	27	21	25	32	19	3	1	1	1	1	15
31	0	0	0	0	0	1	2	3	2	2	2	1	1	1	1	1	1	1	1	1	3	7	15	10	11	3
MEAN		6	4	4	4	4	7	14	16	14	11	9	7	7	8	9	10	10	9	9	9	8	8	8	8	8.4

PERCENTAGE OF DATA VALID - 99.1 PERCENTAGE OF DATA INVALID - 0.9 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
		STATION - C NO 34007 BATHURST/WILSON, NORTH YORK														MONTH - SEP 78											
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	11	5	5	3	1	1	3	4	1	0	0	1	1	1	15	15	18	19	21	24	19	16	23	15	9		
2	14	9	6	9	6																						
3																											
4																											
5																											
6	7	6	5	6	5	15	38	41	18	12	1	1	1	1	1	1	2	13	20	20	17	16	14	15	11	*****	
7	2	2	2	2	2	2	2	2	2	1	1	2	1	2	1	2	1	6	13	23	21	18	18	15	12	8	7
8	6	7	4	3	5	14	36	38	30	26	25	25	26	29	30	32	29	12	3	4	5	4	3	2	17	7	
9	1	1	1	1	1	1	0	1	0	1	1	1	0	1	2	2	9	12	17	23	28	25	24	17	12	8	
10	9	7	2	1	1	1	2	3	7	11	15	20	19	13	13	13	20	17	22	18	24	28	32	34	27	14	
11	17	13	16	15	18	25	30	37	52	26	8	5	11	14	5	4	4	4	4	5	12	10	8	6	15	14	
12	9	5	5	5	4	2	2	2	2	2	2	6	6	***	6	5	2	11	23	17	13	13	12	8	7	7	
13	4	1	2	2	3	13	31	30	27	20	16	14	14	15	16	***	***	19	20	12	9	10	7	6	13	13	
14	2	1	1	1	3	11	37	44	35	31	26	22	22	23	26	27	29	28	18	14	5	7	10	11	18	15	
15	9	7	6	2	1	4	10	5	2	1	3	1	0	0	0	0	0	0	0	0	0	1	1	1	4	1	
16	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	4	1	
17	3	6	6	4	3	4	6	9	10	21	18	23	19	26	23	22	23	25	26	21	7	10	13	15	14	19	
18	6	3	3	3	5	12	27	33	37	33	34	29	26	32	40	42	32	29	14	4	3	1	1	1	1	19	
19	1	1	1	1	1	1	2	4	3	4	8	23	19	25	33	31	34	32	30	29	26	28	28	18	16	16	
20	9	6	5	4	6	16	39	47	41	33	29	24	***	***	***	22	23	24	26	29	28	25	11	23	27	23	
21	25	21	18	13	21	24	31	42	12	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	9	
22	1	1	1	1	1	1	3	4	3	1	3	***	1	1	1	1	1	1	1	2	4	2	2	2	3	2	
23	3	3	2	3	3	2	3	3	21	23	9	17	14	12	10	11	17	24	27	31	29	29	31	37	15	15	
24	39	38	26	10	6	5	6	9	3	6	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7	
25	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	1	0	
26	1	2	1	1	1	19	59	78	60	30	23	20	21	19	21	24	21	19	20	19	18	20	17	13	22	22	
27	7	4	3	4	3	5	22	36	42	24	21	14	15	13	13	20	24	29	1	1	0	0	0	0	0	13	
28	1	1	1	1	1	1	1	1	3	1	0	0	1	1	1	1	1	1	1	3	6	7	10	12	2	7	
29	20	19	11	5	4	5	22	93	67	41	***	25	22	23	30	32	34	36	35	29	21	16	16	22	27	19	
30	29	33	25	18	20	21	35	39	37	18	15	15	12	10	8	10	9	16	27	12	13	11	6	6	6	19	
MEAN	9	8	6	4	5	8	17	24	20	14	10	11	10	11	12	13	14	16	15	14	12	11	11	10	11.8		

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION										
		STATION - C NO 34007 BATHURST/WILSON, NORTH YORK														MONTH - OCT 78										
HOUR DAY		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		6	5	2	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	1
2		2	1	1	2	1	2	6	9	6	2	1	0	2	4	1	6	14	24	33	36	36	39	40	45	13
3		41	44	36	20	24	27	37	41	30	24	20	21	23	24	26	32	30	25	18	15	17	18	14	9	26
4		1	1	1	1	7	24	36	42	32	14	20	17	22	27	32	35	12	32	38	48	46	31	15	12	23
5		10	9	18	13	14	35	68	76	59	25	23	22	23	27	30	34	37	36	28	20	15	4	6	18	27
6		11	10	5	4	8	19	33	39	39	28	30	30	***	15	7	5	1	3	7	8	4	1	0	0	13
7		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9		1	2	2	2	10	24	36	16	10	9	10	6	8	7	9	5	7	10	15	15	10	18	17	7	11
10		5	2	0	0	0	4	18	24	7	2	1	1	1	0	0	0	0	3	23	31	30	7	8	14	8
11		16	19	16	18	21	44	67	77	82	57	36	24	19	19	20	22	27	38	41	32	19	15	11	7	31
12		3	1	1	1	4	10	38	41	31	8	9	6	3	***	2	1	0	1	4	5	4	1	2	10	8
13		16	13	7	3	1	1	5	6	4	2	0	0	1	1	1	0	0	1	1	1	1	0	0	0	3
14		0	0	0	0	0	0	0	0	0	3	5	6	6	4	3	4	4	5	6	4	4	5	11	35	4
15		31	24	8	1	1	2	1	30	10	37	15	7	5	23	18	27	32	30	36	40	36	10	13	4	18
16		1	0	0	0	0	6	35	8	33	14	15	15	5	7	26	36	42	48	53	43	19	14	10	11	18
17		20	12	5	1	1	7	11	23	21	14	6	10	16	27	31	35	39	42	34	32	35	27	23	20	20
18		16	11	9	12	12	17	39	57	44	29	22	25	30	26	21	23	9	12	14	9	5	3	3	7	19
19		5	1	0	0	0	1	7	16	20	14	2	1	1	3	20	39	52	48	15	4	3	2	1	0	11
20		0	0	1	1	2	4	13	23	17	***	16	11	24	33	33	36	39	50	53	42	30	15	21	19	21
21		13	16	9	6	6	16	23	37	29	22	20	19	13	17	17	21	16	12	8	7	9	17	20	12	16
22		14	10	3	1	1	2	5	3	5	12	12	14	17	18	19	16	5	5	8	3	7	10	1	1	8
23		0	0	***	***	***	***	***	***	***	***	0	0	0	0	0	0	0	0	0	0	0	3	4	4	1
24		5	7	5	8	12	39	70	66	40	19	22	22	27	28	29	33	33	28	23	22	21	19	18	14	25
25		11	8	7	9	11	33	62	49	35	32	31	25	23	23	22	31	32	14	8	7	6	6	6	3	21
26		2	2	3	3	6	7	1	2	3	3	3	2	2	1	1	2	3	2	3	3	2	4	2	2	3
27		1	0	0	0	1	2	5	8	***	13	9	14	33	41	40	43	28	16	41	28	19	16	27	13	17
28		7	5	2	2	7	7	6	3	1	1	1	1	1	1	1	1	1	2	2	1	1	1	2	2	3
29		4	5	5	4	***	***	***	***	2	7	17	18	19	23	24	25	31	47	55	61	64	65	56	54	29
30		36	22	23	8	3	5	36	61	51	40	27	25	22	***	***	***	50	65	72	66	54	30	22	19	35
31		11	7	5	5	6	13	22	70	45	39	10	2	1	1	1	1	1	1	1	1	1	1	1	1	10
MEAN		9	8	6	4	6	12	23	28	23	16	13	11	11	13	14	17	17	19	21	19	16	13	12	11	14.3

PERCENTAGE OF DATA VALID - 97.4 PERCENTAGE OF DATA INVALID - 2.6 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION										
		STATION - C NO 34007 BATHURST/WILSON, NORTH YORK														MONTH - NOV 78										
HOUR DAY		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		2	***	***	***	***	***	***	***	***	34	14	17	20	***	***	34	46	62	54	55	40	29	19	24	*****
2		14	6	4	4	4	12	27	31	10	12	9	3	3	1	1	1	1	4	5	6	7	4	5	8	8
3		9	13	12	19	27	25	26	31	61	63	39	25	23	31	38	43	54	67	62	64	63	58	44	33	39
4		25	26	36	28	19	18	62	56	46	32	22	22	22	24	25	26	29	33	29	30	26	22	21	24	29
5		23	64	66	42	34	26	19	21	20	17	14	11	12	15	20	30	35	38	31	24	16	22	22	26	
6		3	1	1	1	1	4	12	22	7	2	2	1	1	1	1	2	2	3	2	1	1	2	1	3	
7		1	1	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	1	4	9	6	3	2	4	5
8		9	11	7	3	4	7	12	28	26	24	24	21	27	26	29	34	35	39	39	29	27	15	14	11	21
9		10	7	4	3	4	8	28	54	42	21	7	5	4	11	23	39	37	46	59	58	53	35	19	16	25
10		16	8	17	12	11	4	4	38	88	63	42	40	***	39	41	46	49	41	34	32	29	30	40	45	33
11		45	24	11	10	19	20	17	12	9	4	3	2	7	5	1	1	1	2	2	2	2	1	1	1	8
12		1	0	0	0	0	0	0	1	4	10	28	22	38	52	40	51	54	45	42	38	29	27	33	24	22
13		13	***	***	0	1	3	6	14	48	49	39	47	36	33	35	40	46	44	35	26	16	17	15	26	
14		13	6	5	6	6	7	9	11	12	7	5	2	1	1	1	1	1	1	1	1	1	0	0	4	
15		0	0	0	0	0	0	0	2	5	8	4	1	1	1	1	1	2	5	11	17	19	18	29	54	7
16		42	28	***	***	25	13	***	***	***	10	26	27	***	26	30	34	46	65	73	68	65	64	54	18	40
17		10	5	3	2	2	3	9	29	37	28	30	25	25	26	28	27	30	17	16	16	14	11	6	3	17
18		3	3	2	1	1	1	0	1	2	1	1	1	1	1	1	1	1	2	5	10	11	7	10	13	3
19		13	10	8	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2
20		0	0	1	0	0	0	0	2	8	12	3	8	0	6	9	2	14	9	1	1	0	0	0	0	3
21		0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	9	39	56	55	52	51	42	24	22	
22		20	21	16	11	10	6	5	8	20	56	41	26	28	28	***	***	44	46	37	28	20	17	18	16	24
23		14	10	8	5	3	5	11	34	39	35	30	27	23	22	22	26	30	26	10	10	6	3	3	17	
24		2	1	1	1	1	1	1	3	5	5	5	2	2	***	2	3	5	5	2	1	1	1	0	2	
25		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	0	0	0
26		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	8	13	14	2
27		8	3	1	1	1	1	5	12	14	9	8	10	10	11	12	12	11	10	11	7	2	1	0	0	7
28		0	0	0	0	0	1	1	4	9	7	6	6	3	2	10	27	11	14	11	7	7	6	7	11	6
29		12	7	5	4	5	7	18	42	49	46	31	26	24	***	24	27	31	27	24	19	18	15	10	17	21
30		5	3	2	2	2	2	2	1	2	1	0	0	0	0	0	0	0	1	2	2	3	5	12	16	3
MEAN		10	9	8	6	6	6	8	17	21	20	15	14	12	13	15	17	21	24	22	21	18	16	15	14	14

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 34007														MONTH - DEC 78											
BATHURST/WILSON, NORTH YORK																									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	7	3	3	2	2	2	12	18	28	32	25	32	25	25	42	****	40	30	14	18	13	6	2	2	17
2	1	0	0	0	0	0	1	2	2	3	1	1	0	0	0	0	0	1	1	3	3	3	10	21	2
3	19	17	14	5	3	1	1	2	4	4	4	6	4	6	12	18	21	23	17	16	16	14	14	18	11
4	8	6	8	6	3	2	3	7	6	6	4	3	3	1	1	4	7	10	7	5	5	4	4	5	5
5	4	2	1	1	1	1	2	9	19	20	12	7	7	9	****	13	22	31	24	22	17	11	8	4	11
6	3	3	4	6	5	4	9	11	36	44	20	11	2	1	2	2	4	5	6	3	2	1	1	1	8
7	1	1	0	0	1	0	4	48	58	54	47	40	36	31	22	20	20	21	22	20	18	18	24	29	22
8	25	22	22	12	8	12	14	11	11	8	6	4	1	1	1	2	2	3	2	2	2	2	1	1	7
9	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	****	2	2	3	2	3	1
10	2	2	1	1	1	1	1	1	1	1	1	****	****	1	1	1	1	1	1	1	4	6	8	3	2
11	4	2	2	****	****	****	****	21	20	21	****	****	14	****	****	30	45	48	45	34	28	28	30	16	24
12	10	6	4	4	4	2	4	11	8	****	****	****	10	9	26	34	38	29	18	16	16	17	13	14	5
13	8	6	6	5	3	5	16	21	****	7	5	7	6	4	2	2	3	3	2	1	1	1	1	1	15
14	0	0	0	0	0	0	0	3	5	7	5	****	2	4	8	17	21	17	12	7	5	5	3	3	5
15	2	2	2	2	2	2	8	21	19	14	11	8	6	5	7	13	25	25	20	14	11	14	5	2	10
16	1	2	3	2	6	10	19	26	30	21	17	16	22	23	25	24	23	31	32	29	23	15	13	10	18
17	5	4	2	2	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1
18	2	2	2	2	2	2	3	8	12	10	6	2	1	1	1	1	0	1	1	1	1	1	1	1	3
19	1	1	1	1	1	1	2	3	3	2	1	1	1	1	1	1	2	3	3	2	2	2	2	6	2
20	2	6	6	4	5	8	20	35	35	29	29	17	14	21	23	20	11	5	6	15	37	38	26	14	18
21	9	5	4	3	2	2	2	2	1	1	****	0	0	0	0	0	3	16	12	3	1	2	3	3	3
22	1	1	1	1	1	3	13	16	38	40	31	25	22	26	21	20	10	7	8	6	3	0	0	0	12
23	0	1	0	0	0	0	1	3	4	4	3	0	1	0	0	1	6	13	25	26	56	41	47	48	12
24	50	53	45	24	15	3	2	2	4	5	7	12	18	40	52	56	49	49	38	47	41	40	30	37	30
25	29	33	21	12	11	4	4	6	14	19	21	29	20	18	22	24	21	21	22	23	28	26	22	24	20
26	28	2	0	0	0	0	0	1	1	2	4	3	2	1	1	0	1	1	0	0	0	1	****	****	2
27	****	****	****	0	0	0	1	2	1	1	0	0	0	0	****	1	1	2	2	2	3	2	2	2	1
28	3	3	7	4	2	2	2	4	11	9	5	1	1	1	1	1	1	1	1	1	1	1	1	1	3
29	8	6	3	2	2	2	2	7	7	15	28	37	34	28	31	34	29	23	25	25	22	19	15	17	
30	15	12	8	5	3	4	4	7	11	13	12	13	14	16	18	21	30	29	29	32	32	28	24	30	17
31	27	24	19	12	12	21	24	18	19	23	31	35	34	30	28	27	28	28	25	24	24	23	19	14	24
MEAN	9	8	6	4	3	3	6	11	14	14	12	11	10	10	12	13	15	17	15	13	14	12	11	11	10.6

PERCENTAGE OF DATA VALID - 96.2 PERCENTAGE OF DATA INVALID - 3.8 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT		UNITS - 0.01 PARTS/MILLION		
STATION - C NO 34007		BATHURST/WILSON, NORTH YORK		
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	9.3	25	69
FEB	28	6.2	20	40
MAR	31	8.4	26	63
APR	30	6.2	23	58
MAY	31	10.7	26	60
JUN	30	6.9	25	51
JUL	31	7.4	14	43
AUG	31	8.4	18	64
SEP	26	11.8	27	93
OCT	31	14.3	35	82
NOV	29	14.6	40	88
DEC	31	10.6	30	58
YEAR	360	9.5	40	93

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34007 BATHURST/WILSON, NORTH YORK

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	406	97	109	65	35	15	5	732
FEB	460	84	74	36	10	0	0	664
MAR	466	72	86	73	32	8	3	740
APR	496	71	93	34	14	5	5	718
MAY	333	90	177	93	33	10	1	737
JUN	449	85	115	49	14	5	1	718
JUL	369	158	168	28	9	2	0	734
AUG	362	145	162	51	11	4	2	737
SEP	297	66	119	100	39	8	6	635
OCT	311	92	116	85	69	25	27	725
NOV	312	76	97	89	48	30	37	689
DEC	382	76	104	98	34	16	6	716
YEAR	4643	1112	1420	801	348	128	93	8545

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
97.5	0	0.1	1.0	3.7	11.3	25.5	33.3	43.1	51.4	93	9.5

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
2	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
3	0	0	0	0	0	0	0	1	1	1	1	1	1	2	3	1	3	9	13	4	3	1	1	1	2
4	0	0	0	0	0	0	2	5	6	2	2	3	2	2	2	2	2	2	2	2	2	3	4	2	2
5	2	2	3	3	4	9	12	18	24	21	8	7	6	7	7	***	13	16	12	15	29	15	15	8	11
6	2	1	1	1	1	2	3	4	4	4	3	3	2	3	3	3	4	3	7	3	2	2	2	3	3
7	2	1	1	1	1	1	2	3	4	5	8	8	8	8	7	8	8	9	11	12	10	8	10	9	6
8	12	12	5	3	3	2	2	3	3	4	4	4	4	5	5	6	10	12	7	4	4	2	2	2	5
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	0	0	1	1	1	1	1	1
10	1	1	1	0	0	1	1	1	2	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1
11	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	0	0	0	0	0	0	0	1	2	3	3	2	***	3	***	8	18	20	5	5	5	5	7	6	4
13	5	6	6	7	8	10	5	3	8	9	8	5	5	4	2	2	3	2	1	1	0	0	0	0	4
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0
16	0	0	0	0	0	0	0	1	2	2	1	1	0	0	0	0	0	0	0	0	1	1	3	6	1
17	11	21	9	5	3	4	5	***	12	14	9	6	5	2	2	3	6	3	1	0	0	0	0	0	5
18	0	0	0	0	0	0	0	0	1	1	1	0	1	1	1	1	3	6	4	4	5	8	9	11	2
19	3	3	9	4	2	3	5	13	36	23	13	10	6	2	***	3	4	6	8	9	7	2	2	2	8
20	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	1	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	3	10	20	38	26	11	11	5
22	13	12	2	0	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	2
23	0	0	0	0	0	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
24	0	0	1	1	1	1	1	2	2	2	2	2	1	2	2	5	5	3	2	3	2	1	3	5	2
25	3	4	5	6	7	7	7	27	18	19	16	10	11	13	10	10	13	15	6	3	2	2	1	1	9
26	1	1	1	1	1	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	1	0	0	1	0
28	1	1	1	1	1	1	1	4	2	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
29	0	0	0	0	0	0	0	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
30	0	0	0	0	0	0	1	7	10	14	8	2	1	1	1	1	3	14	4	1	0	0	0	0	3
31	0	0	0	0	0	0	1	2	3	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1
MEAN	2	2	2	1	1	2	2	3	5	4	3	2	2	2	2	2	3	4	3	3	4	3	2	2	2.6

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE														MONTH - FEB 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	1	1	2	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0
2	0	0	0	0	0	1	4	10	21	19	5	4	1	1	1	1	1	1	2	7	3	1	4	1	4
3	0	0	0	1	0	1	5	28	30	15	8	6	1	1	1	1	1	3	2	2	1	2	2	1	5
4	1	0	0	0	0	0	0	1	1	1	1	2	2	2	3	1	2	14	10	11	12	20	18	19	5
5	11	7	7	4	3	4	5	2	2	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	2
6	0	0	0	0	0	0	1	1	2	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1
7	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1
8	1	0	0	0	0	0	1	3	6	3	4	1	1	1	1	1	2	6	9	5	3	3	2	0	2
9	0	0	0	0	0	0	1	6	7	2	1	1	1	1	1	2	4	13	13	12	6	8	11	6	4
10	5	4	2	1	2	4	7	18	20	8	2	2	2	2	1	1	2	2	1	1	1	0	1	1	1
11	2	1	1	1	1	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
12	1	1	1	0	1	1	1	0	0	0	1	0	1	1	1	1	1	1	2	1	1	1	1	1	1
13	2	3	2	3	0	0	1	2	2	1	1	1	1	1	1	1	1	1	3	4	3	1	1	2	2
14	3	1	1	0	0	0	1	4	5	2	2	1	1	1	1	1	1	2	17	26	24	33	21	15	7
15	8	8	3	3	3	3	5	23	47	....	....	....	....	1	1	1	1	2	2	3	2	1	1	1	6
16	0	0	1	2	1	0	0	1	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	0	0	0	1	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	2	1	1	2	1	1
18	0	8	5	1	1	2	2	1	1	2	1	1	1	1	1	1	1	1	1	3	6	11	9	7	3
19	4	2	3	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	6	5	2	2
20	4	6	8	4	5	5	18	51	57	31	10	4	1	1	1	1	1	1	1	1	9	10	5	1	10
21	0	0	1	1	1	1	4	14	11	6	2	1	1	1	1	1	1	1	1	0	0	0	0	0	2
22	0	0	1	1	1	2	4	9	7	1	1	1	1	1	1	1	2	2	2	2	2	4	2	1	2
23	0	1	1	1	1	1	1	7	4	3	2	1	1	1	1	1	1	1	1	1	1	1	0	1	1
24	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	4	2	1	2	3	4	2	2	3	3	2	2	2	2	2	4	1	6	5	4	4	3
26	8	4	3	1	0	1	1	2	2	1	1	1	1	1	1	1	1	1	3	2	2	10	4	3	2
27	2	0	1	1	1	1	2	7	11	7	2	2	2	2	1	1	1	1	1	2	2	3	1	0	2
28	0	1	1	2	2	4	14	....	30	15	5	1	1	1	1	1	1	1	1	2	2	1	4	29	5
MEAN	2	2	2	1	1	1	3	7	10	5	2	2	1	1	1	1	1	2	3	3	3	5	4	4	2.8

PERCENTAGE OF DATA VALID - 98.8 PERCENTAGE OF DATA INVALID - 1.2 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. .... INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. .. INDICATES DATA IS UNAVAILABLE

3. .... INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE													MONTH - MAR 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	22	4	1	0	0	0	1	3	6	3	1	0	0	0	1	1	1	1	3	13	8	2	3	4	3
2	2	1	2	1	2	2	4	16	13	7	2	1	1	1	1	1	1	1	1	1	4	3	4	7	3
3	12	10	9	1	5	5	3	4	2	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	3
4	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	1	0	0
5	3	3	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1
6	1	0	0	0	3	2	8	48	35	11	6	2	2	1	1	1	1	1	2	2	6	5	7	6	6
7	2	1	0	0	0	0	1	5	4	1	1	0	0	0	1	1	1	1	1	0	0	0	0	1	1
8	0	0	0	0	0	0	2	12	19	14	10	1	1	1	2	1	3	5	3	4	23	32	28	38	8
9	31	14	9	1	6	6	21	35	35	12	4	2	1	1	1	1	1	1	1	1	0	0	1	4	8
10	4	1	1	1	1	3	6	12	7	3	1	1	1	1	1	1	1	1	1	5	17	2	1	2	3
11	1	3	2	6	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	4	6	2	1
13	5	6	4	4	5	3	23	34	38	30	11	4	2	2	2	2	2	2	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	3	5	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	0	0	1
16	0	0	1	0	0	0	0	3	11	13	9	3	2	2	2	2	2	2	2	2	1	1	1	1	3
17	0	0	0	1	1	1	2	7	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
18	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	0	1	1	1	0	1	4	28	9	1	2	2	3	6	3	1	2	3	3	1	1	1	2	2	3
21	9	7	9	6	6	9	20	....	24	30	36	27	23	21	8	2	3	2	2	2	2	2	2	1	11
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	0	2	3	2	1	1	1	1	1	1	1	1	1	3	4	4	2	1	0	1
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	1	1	1	1	1	1	0	1	1	0	1	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	2	3	3	1	1	1	1	1	1	1	1	1	3	6	3	2	1	2
28	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2	3	1
29	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	4	5	2	2	1	1
30	1	2	2	1	0	1	1	2	2	3	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1
31	1	1	2	3	3	2	8	15	11	11	3	1	3	1	5	3	2	2	1	1	1	1	1	1	3
MEAN	3	2	2	1	2	1	4	8	8	5	3	2	2	2	1	1	1	2	1	2	3	2	2	3	2.6

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. .... INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. .. INDICATES DATA IS UNAVAILABLE

3. .... INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE															MONTH - APR 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	2	3	5	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	3	7	1
3	10	8	1	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	2	1	1	1	2	3	2
4	3	3	2	1	1	2	6	13	11	5	5	4	4	6	14	18	15	19	6	6	11	4	2	1	7
5	0	0	0	0	0	1	1	2	1	1	1	1	1	1	1	1	1	1	2	5	11	17	16	16	3
6	13	7	3	2	3	7	13	6	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
7	1	1	3	3	3	1	2	2	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
8	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
9	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	3	3	3	6	1
10	7	4	1	0	0	0	1	1	1	1	1	1	2	1	1	1	1	1	1	0	0	0	0	0	1
11	0	0	0	0	0	1	4	10	19	11	14	15	6	2	1	1	1	1	1	1	1	1	0	0	4
12	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	2	2	1	1	1	1	1	1	1
13	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	1	1	2	1	1
14	1	1	1	0	1	1	0	***	0	0	1	0	1	1	1	1	1	1	1	1	2	1	1	1	1
15	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1
16	4	7	5	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	5	3	1	1
17	0	0	0	0	0	1	4	1	3	2	0	0	0	2	2	2	0	0	1	2	2	1	1	1	2
18	8	5	1	2	3	7	15	8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
19	0	0	0	0	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	0	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	1	1	0
23	3	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	32	30	21	4
24	12	4	1	1	1	1	3	9	5	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
25	1	1	1	1	1	1	5	6	4	2	1	1	1	1	1	1	1	1	1	3	10	12	11	22	4
26	13	8	4	2	2	4	3	4	3	1	1	1	1	1	1	1	1	1	2	4	2	2	2	2	1
27	4	1	1	0	0	0	1	2	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
28	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	1	3	5	12	12	12	2
29	6	5	4	3	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	0	0	0	0	0	1
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	3	2	0
MEAN	3	2	1	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	1	2	2	4	4	4	1.8

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE															MONTH - MAY 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	1	0
2	1	1	1	1	1	4	3	0	0	1	0	0	0	1	1	1	1	1	1	1	2	5	4	0	1
3	0	0	0	0	3	9	8	5	4	1	0	0	***	0	0	0	0	0	0	0	0	2	9	8	2
4	1	2	1	5	7	19	30	3	0	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0	3
5	0	0	0	0	0	0	1	2	0	0	0	0	1	1	1	1	2	1	1	1	1	0	0	0	1
6	0	0	0	0	0	0	0	1	1	1	1	5	5	3	4	4	5	4	3	3	1	0	0	0	2
7	0	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	3	1	0	0	0	0
8	0	0	0	0	0	0	1	2	2	1	1	1	3	1	1	4	3	3	1	1	1	1	1	1	0
9	1	1	2	2	3	7	6	2	6	2	1	1	1	1	1	1	1	3	1	1	1	0	0	0	2
10	0	0	1	1	1	1	1	1	1	***	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1
11	1	6	3	2	1	9	21	9	2	1	2	1	2	1	2	3	3	2	2	7	9	4	6	12	5
12	6	4	1	1	1	2	5	13	16	8	6	7	4	2	5	6	1	1	1	1	1	1	1	1	4
13	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	2	2	1	1	1	1	1	1
14	1	1	1	1	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	1	8	6	8	4	2	0	0	0	0	0	1	1	3	7	5	0	0
17	0	0	0	0	0	0	1	8	6	8	4	2	1	0	0	0	0	0	1	0	0	0	2	2	1
18	11	5	4	4	8	10	8	4	2	***	0	1	1	1	1	1	1	1	1	0	0	0	2	2	1
19	15	16	11	7	8	7	7	3	1	1	1	1	1	***	1	1	1	0	0	5	7	15	14	13	5
20	1	1	1	1	1	2	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	8	1
22	1	0	0	0	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	3	6	15	3	3	2
23	3	3	3	1	1	9	19	22	3	1	0	1	1	***	1	1	1	2	4	4	1	0	2	8	4
24	3	1	2	1	3	6	12	22	8	2	1	1	1	1	1	1	1	1	1	1	5	3	1	1	3
25	1	1	1	1	1	5	8	1	1	0	1	1	1	1	1	1	1	1	1	1	2	10	5	8	2
26	4	1	1	2	4	9	6	1	1	1	1	1	1	1	1	1	1	1	1	1	4	4	3	18	3
27	14	8	12	7	6	6	5	4	3	1	1	1	2	5	1	1	1	1	1	1	1	2	10	8	4
28	5	6	6	3	3	6	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	7	2
29	12	8	6	5	5	10	14	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3
30	14	7	4	5	5	8	3	4	6	2	1	2	1	1	1	1	1	1	1	1	1	1	1	3	3
31	1	3	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1
MEAN	3	3	2	2	2	4	6	4	2	1	1	1	1	1	1	1	1	1	1	2	2	3	2	4	2.1

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION										
		STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE														MONTH - JUN 78										
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	1	1	1	1	1	1	4	1	1
2	2	3	1	0	2	2	3	11	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	2
3	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	0
4	4	10	13	8	4	1	1	1	1	0	1	1	1	0	0	0	0	1	1	1	1	1	2	2	1	2
5	5	2	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	2	16	18	12	3
6	6	12	13	9	10	8	17	18	7	2	2	2	1	1	1	1	1	1	1	1	1	1	3	12	12	6
7	7	8	7	7	7	6	7	9	19	13	8	10	8	6	7	6	7	6	5	5	3	5	8	5	8	8
8	8	2	1	2	2	3	7	8	5	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
9	9	1	1	1	1	1	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	4	2	1
10	10	6	6	9	5	2	5	5	3	1	1	1	0	1	1	1	1	1	0	0	1	7	3	2	3	3
11	11	5	3	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
12	12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
13	13	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	4	4	2
14	14	1	1	1	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	4	4	2
15	15	2	1	1	1	4	7	4	2	1	0	0	0	0	1	1	0	0	0	0	2	9	5	6	2	2
16	16	2	2	4	3	1	5	10	9	2	1	1	1	1	2	1	1	1	1	2	2	1	2	3	4	2
17	17	1	3	4	1	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	2	4	1
18	18	2	3	2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	5	15	13	3
19	19	2	1	1	1	3	5	13	7	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	4	1
20	20	6	5	5	6	8	10	21	10	3	1	0	0	1	1	1	1	0	0	0	0	0	0	3	8	4
21	21	18	14	8	8	9	15	13	4	5	10	3	1	1	1	1	1	1	1	1	0	1	5	9	7	6
22	22	2	1	1	0	1	5	3	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
23	23	2	3	1	1	1	4	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	2	7	3
24	24	2	4	4	3	1	3	2	2	1	1	1	1	0	0	0	0	0	0	0	1	1	3	20	21	3
25	25	18	18	12	8	8	9	7	2	1	1	1	1	1	1	1	1	0	0	0	0	0	1	2	2	4
26	26	1	1	1	1	2	3	5	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	27	1	1	1	1	1	1	2	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	0	0	1
28	28	0	0	0	0	1	2	2	1	1	1	0	0	0	0	1	1	0	0	0	1	4	6	4	2	1
29	29	4	2	1	1	1	2	2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	0
30	30	1	1	1	1	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN		4	4	3	2	2	4	5	3	2	1	1	1	1	1	1	1	1	1	1	1	2	3	5	4	2.1

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.4 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION										
		STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE														MONTH - JUL 78										
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	0	0	0	1	3	3	4	1	1	0	0	0	0	0	0	0	0	0	0	2	9	16	11	2
2	2	6	6	2	1	1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
4	4	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	
5	5	15	14	8	5	6	13	15	7	1	1	1	4	3	0	2	1	1	1	1	1	1	1	2	1	
6	6	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	
7	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
8	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	
9	9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	0	0	1	
10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	1	
11	11	1	0	0	0	0	2	3	1	0	0	0	0	0	0	0	0	0	0	0	0	3	4	3	3	
12	12	3	4	3	3	1	4	5	3	1	0	0	0	0	0	0	0	0	0	1	1	3	2	2	2	
13	13	0	0	0	1	1	5	5	3	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	
14	14	3	1	1	1	2	5	5	2	1	1	1	1	1	0	1	1	1	1	0	0	1	1	2	1	
15	15	3	3	2	3	3	4	8	3	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	
16	16	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	0	1	5	8	12	
17	17	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	
18	18	9	1	2	3	2	6	13	8	3	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	
19	19	1	1	1	1	1	2	4	4	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
20	20	2	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	
21	21	1	2	1	3	2	4	2	3	3	3	3	3	3	3	3	3	3	3	3	3	4	2	5	4	
22	22	7	4	2	2	3	3	2	1	1	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	
23	23	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	2	1	
24	24	2	1	2	2	6	14	8	10	4	1	1	2	2	2	0	1	1	1	1	1	3	3	4	3	
25	25	6	14	11	9	9	14	20	9	4	2	1	1	1	1	1	1	1	1	1	2	2	2	2	5	
26	26	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2	2	
27	27	2	2	2	2	2	2	2	3	2	2	2	2	2	2	1	1	1	1	2	2	2	1	1	1	
28	28	1	1	1	1	2	2	2	2	1	1	0	0	0	0	0	0	0	0	1	1	3	1	1	1	
29	29	2	2	3	3	2	2	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	
30	30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	3	6	10	2	
31	31	9	6	3	4	5	4	4	2	1	1	1	1	1	1	1	1	1	3	1	1	1	2	10	8	
MEAN		3	2	2	2	2	3	4	3	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	1.7	

PERCENTAGE OF DATA VALID - 97.6 PERCENTAGE OF DATA INVALID - 2.4 PERCENTAGE OF DATA UNAVAILABLE - 0.0

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE												MONTH - AUG 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	9	9	3	2	2	3	4	6	3	2	1	1	1	1	1	1	1	1	1	2	2	5	5	7	
2	6	3	4	3	5	11	17	5	3	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3
3	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	0	0	1	1
4	0	0	0	0	0	3	4	1	0	0	0	0	0	0	0	0	0	0	0	4	10	8	11	12	2
5	13	11	9	8	9	11	12	6	2	1	1	0	0	0	0	0	0	0	0	0	0	0	2	3	4
6	4	9	4	2	3	4	6	2	1	1	0	0	0	0	0	0	0	0	0	0	0	3	11	16	3
7	6	2	1	1	1	2	6	3	2	1	1	0	0	0	0	0	0	0	0	0	0	1	4	7	2
8	11	11	7	1	1	1	2	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	5	4	2	1
10	1	1	1	1	1	3	4	2	3	1	1	1	1	1	1	1	1	0	1	2	4	8	9	17	3
11	10	2	3	4	5	12	24	27	8	2	1	1	1	1	1	1	1	1	1	1	4	7	12	17	6
12	17	18	10	5	4	6	12	3	1	0	0	0	1	1	1	3	1	0	0	0	0	1	1	1	4
13	5	3	1	1	2	4	5	1	1	1	1	1	1	1	1	1	1	1	0	1	5	6	6	2	2
14	6	2	1	1	2	5	18	7	2	1	1	1	1	1	1	1	1	1	1	1	1	3	8	3	3
15	7	4	1	2	4	7	9	6	2	2	1	1	2	1	1	1	1	1	1	2	1	1	1	1	3
16	2	2	2	2	2	2	2	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	1
17	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
18	14	19	8	3	5	7	19	17	8	1	5	3	1	1	1	0	0	1	1	2	5	10	13	14	3
19	6	6	8	2	2	2	2	2	2	1	1	2	2	1	1	1	1	1	1	1	1	0	1	0	2
20	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	2	1	3	4	1
21	2	1	0	1	2	6	8	6	8	2	1	1	0	1	0	0	0	0	1	1	1	5	20	26	4
22	19	16	10	7	5	7	32	34	21	3	1	1	1	0	1	0	0	0	1	1	2	11	12	10	8
23	9	2	1	1	3	8	19	21	12	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	4
24	1	1	1	1	1	1	1	2	1	1	1	1	1	1	2	2	1	2	1	1	0	1	0	1	0
25	0	0	1	0	0	1	4	5	2	3	1	1	1	0	0	0	0	0	0	1	3	1	1	4	1
26	5	1	1	1	1	1	4	1	1	0	0	0	0	0	1	1	0	0	0	1	2	2	4	3	1
27	2	2	1	2	1	1	1	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	1	1	1
28	1	1	1	1	1	1	4	3	3	2	1	1	1	1	1	1	1	1	1	2	2	2	2	1	2
29	2	1	1	1	1	1	2	3	4	1	1	1	1	1	0	0	0	1	1	2	6	6	4	8	2
30	8	5	3	2	2	8	23	13	7	6	1	0	0	0	0	0	0	1	1	1	1	1	1	1	4
31	1	1	1	1	1	2	6	9	8	4	1	1	0	0	0	0	0	0	1	1	5	14	20	14	4
MEAN	6	4	3	2	2	4	8	6	4	2	1	1	1	1	1	1	1	1	1	2	3	5	6	2.7	

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. -- INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																										
POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION													
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE													MONTH - SEP 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	10	4	1	0	1	4	11	7	3	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	2	
2	3	4	2	2	2	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
3	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	
4	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	2	0	0	2	5	1	
5	5	4	1	1	1	7	17	17	4	1	2	1	1	1	1	1	1	1	1	1	2	2	1	1	3	
6	1	1	1	1	1	3	5	4	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	
7	1	1	0	1	1	2	2	2	1	1	0	0	1	1	1	1	1	1	1	0	0	0	0	0	1	
8	0	0	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	
9	2	4	3	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	3	4	0	0	1	
10	0	0	0	0	0	0	0	0	1	1	1	1	2	1	1	1	1	1	1	3	5	6	10	22	2	
11	22	18	14	11	13	15	22	35	20	12	1	1	1	1	1	1	1	1	1	2	2	2	1	1	9	
12	1	1	1	1	1	1	3	2	1	1	1	1	0	0	0	0	0	1	2	3	1	0	0	0	1	
13	0	0	0	0	0	1	3	3	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
14	0	0	0	0	0	1	3	2	1	1	1	0	1	1	1	1	1	1	1	2	2	2	2	2	1	
15	2	2	2	1	1	1	3	2	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	
16	1	1	1	1	1	0	4	1	0	0	0	0	0	0	0	0	0	0	0	1	1	2	3	4	1	
17	6	6	1	2	1	2	2	1	1	3	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2	
18	1	0	0	0	1	1	6	4	5	3	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2	
19	0	0	0	0	0	1	4	3	4	3	4	2	1	0	1	2	3	2	3	2	3	2	1	1	2	
20	5	13	9	5	4	8	9	10	9	8	3	2	3	2	4	2	2	3	2	3	2	3	6	7	5	
21	6	6	5	7	14	17	15	28	29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6	
22	1	1	1	1	1	4	7	8	4	3	1	1	1	1	1	0	0	1	4	4	3	4	5	9	3	
23	5	3	3	4	5	6	15	6	5	6	1	0	1	1	0	0	0	0	0	2	5	7	21	24	5	
24	24	16	10	8	5	3	6	8	2	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	4	
25	0	0	0	0	0	3	4	2	1	1	0	0	0	0	0	0	0	0	0	1	1	3	8	8	1	
26	7	4	2	2	6	16	43	33	19	5	2	1	1	1	0	0	0	0	0	0	1	0	0	0	6	
27	0	0	0	0	0	1	2	4	2	0	1	1	0	0	0	0	0	0	1	2	0	0	0	0	1	
28	0	0	0	0	0	1	3	2	0	0	0	0	0	0	0	0	0	1	4	10	15	11	15	21	3	
29	20	13	11	8	12	23	46	66	19	10	5	9	4	1	1	1	1	2	3	1	1	1	1	3	11	
30	10	15	16	17	14	17	23	33	8	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7	
MEAN	4	4	3	3	3	5	9	10	5	2	1	1	1	1	1	1	1	1	1	2	2	2	3	4	2.8	

PERCENTAGE OF DATA VALID - 98.9 PERCENTAGE OF DATA INVALID - 1.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. -- INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION												
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE												MONTH - OCT 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
2	2	1	1	2	1	5	14	18	9	1	1	1	1	1	1	2	3	3	2	4	12	26	33	29
3	27	22	21	16	9	2	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	2	2
4	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	3	4	4	1	1	1
5	2	5	4	2	2	3	5	18	19	3	3	3	3	3	2	3	2	2	2	1	1	0	0	0
6	1	1	1	1	1	1	1	1	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	0	0	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	2	2	2	1	1
8	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	3	5	5	4	6
9	7	7	5	4	5	5	12	9	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	2	5	3	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1
11	1	6	14	13	20	23	39	64	21	10	6	9	5	2	1	1	1	11	7	2	2	3	1	1
12	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1
13	1	1	1	1	2	6	9	5	3	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1
14	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	2	2	2	3	2	8
15	9	8	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	4	9	10	12	17	22	13
16	7	1	0	0	0	1	5	9	8	3	1	1	1	1	1	1	2	3	4	3	1	3	2	1
17	11	7	4	4	3	4	16	19	21	10	3	1	1	1	1	1	2	3	4	3	2	2	2	3
18	2	8	10	14	9	4	2	3	2	1	2	1	1	1	1	2	3	7	6	4	7	8	3	1
19	2	2	1	1	1	1	10	23	10	5	2	1	1	1	2	3	7	6	4	7	8	3	1	1
20	1	1	1	2	4	6	20	44	25	8	1	1	1	2	1	0	1	7	2	2	3	1	1	6
21	1	1	1	1	1	1	2	4	3	2	1	1	1	1	1	0	1	1	0	0	0	1	3	1
22	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	5	1	0
23	0	0	0	0	0	1	1	1	2	2	1	0	0	0	0	0	0	0	0	0	1	3	12	12
24	12	12	10	13	14	12	13	10	16	8	2	1	0	0	0	1	1	2	2	1	1	3	5	6
25	3	1	1	1	1	1	4	11	8	5	2	3	3	2	2	3	2	2	2	2	2	2	2	1
26	2	2	2	3	3	3	4	4	3	2	3	2	1	1	1	2	3	3	4	3	4	3	2	1
27	1	1	1	1	1	1	2	4	3	2	1	1	1	1	2	2	1	2	3	2	1	1	1	2
28	1	1	3	2	1	0	2	5	4	2	1	0	1	1	1	1	1	2	5	14	15	10	10	12
29	4	7	4	1	1	0	2	2	2	2	2	1	1	1	2	1	1	2	2	2	1	1	1	1
30	29	27	21	8	1	1	2	6	5	4	5	5	3	3	4	6	8	19	26	30	17	11	6	0
31	0	0	0	0	0	0	2	10	10	6	4	2	3	3	1	0	1	1	1	1	0	0	2	2
MEAN	4	4	4	3	3	3	6	9	6	3	2	1	1	1	1	1	2	3	3	3	4	4	5	4

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. \*\* INDICATES DATA IS UNAVAILABLE  
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION												
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE												MONTH - NOV 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1	2	5	2	1	0	1	3	12	27	24	19	4	3	1	1	1	3	3	8	13	14	2	2	3
2	1	1	1	1	1	1	1	5	5	5	2	1	1	1	1	2	1	9	6	4	21	17	26	21
3	25	33	17	13	15	11	18	47	50	45	31	4	3	4	6	7	7	11	15	17	33	26	12	18
4	21	14	7	6	5	5	6	12	14	10	8	7	5	3	4	3	3	7	16	22	16	11	6	2
5	6	7	11	15	22	19	17	13	13	5	3	2	2	2	2	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	2	9	5	3	2	1	1	1	1	1	1	5	8	3	4	4	6	2
7	1	1	2	1	1	1	1	2	3	2	1	1	1	1	1	1	1	2	2	2	2	1	1	1
8	8	11	10	11	11	13	25	54	43	23	4	1	2	2	2	1	1	2	2	2	2	1	1	1
9	1	1	1	1	0	0	1	1	2	2	1	1	1	1	1	1	1	1	5	4	3	5	10	14
10	10	8	7	6	5	3	7	29	49	53	24	8	6	4	4	4	5	5	6	7	5	3	4	8
11	8	4	4	14	12	3	3	3	3	2	1	1	1	1	1	1	1	1	2	1	1	1	1	1
12	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	2	1	2	3	2	2
13	1	0	0	0	1	1	1	4	6	7	7	8	2	3	3	5	7	6	7	5	3	2	2	4
14	1	1	2	1	1	1	1	1	2	2	2	1	1	1	1	1	2	2	1	2	1	1	1	1
15	1	1	0	0	0	0	0	0	1	3	2	1	1	1	0	0	1	2	8	21	30	32	33	26
16	18	14	14	8	2	1	4	28	44	14	4	2	1	1	1	1	3	8	6	12	4	2	1	1
17	1	0	1	1	1	1	1	3	4	4	4	4	3	3	4	6	8	6	3	2	3	2	2	3
18	1	1	1	1	0	0	0	0	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	2	2	2	1	0	0
20	0	0	0	0	0	0	0	1	1	1	0	1	1	1	0	0	1	1	1	1	0	0	0	0
21	0	0	0	0	0	0	0	1	3	4	3	2	2	3	2	3	5	7	12	16	20	11	15	15
22	13	10	2	0	0	0	0	1	3	1	1	1	1	1	1	1	2	3	2	2	1	1	1	1
23	1	1	1	1	1	1	3	5	6	5	4	4	4	5	5	7	4	2	3	3	3	2	3	3
24	2	2	1	1	1	1	2	4	6	4	3	2	2	2	2	2	4	3	2	2	2	1	1	2
25	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
26	1	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	3	2	2	2	2	1	1
27	1	1	1	1	1	1	1	2	2	2	3	2	2	3	1	2	5	3	4	4	2	1	1	1
28	0	0	0	0	1	1	2	5	12	9	4	2	2	2	2	1	4	4	1	1	1	1	1	1
29	0	0	0	1	1	1	3	7	8	9	6	3	2	2	2	3	4	3	3	4	3	1	0	0
30	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	0	0	0
MEAN	4	4	3	3	3	2	3	8	11	8	5	2	2	2	2	2	3	4	5	6	6	5	4	5

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. \*\* INDICATES DATA IS UNAVAILABLE  
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE													MONTH - DEC 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	3	2	1	2	2	3	8	10	3	2	1	2	2	4	3	3	2
2	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	4	5	8	11	7	3	2
3	2	2	1	1	1	1	0	1	1	1	1	1	1	2	2	3	5	4	4	3	3	5	6	9	3
4	4	3	2	1	2	2	2	2	3	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1
5	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	1	0	0	0	0	1
6	0	0	1	1	1	1	3	4	4	4	3	****	1	1	1	1	3	2	2	1	2	2	2	1	2
7	1	1	2	1	0	1	1	5	10	8	6	4	2	2	2	2	3	3	4	5	4	6	8	7	4
8	7	6	6	5	5	6	8	14	22	14	8	3	1	1	1	2	1	1	1	2	1	1	0	1	5
9	1	0	0	0	0	0	1	2	1	1	0	1	1	1	1	1	1	1	0	0	0	0	0	0	1
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	1	3	4	3	1	1	****	1	2	6	9	10	14	11	5	2	1	3
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	1	2	2	1
13	1	1	1	1	1	0	0	0	0	0	1	1	1	1	0	0	0	0	0	1	1	0	0	1	1
14	1	1	1	1	0	1	1	3	4	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1
15	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	3	2	1	1	1	1	1
16	1	1	3	1	1	1	3	3	5	3	3	2	2	4	4	4	6	7	9	8	6	4	3	2	4
17	1	1	1	1	0	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	*****	
18	0	0	1	0	1	1	1	6	6	4	3	1	2	1	1	1	1	1	1	1	1	1	3	1	2
19	1	6	4	7	8	4	6	11	10	6	1	1	1	1	1	2	5	18	15	7	2	1	1	2	5
20	2	4	3	3	2	1	1	2	6	7	5	1	1	1	2	2	3	2	2	3	3	5	4	4	3
21	3	4	3	1	1	1	1	1	1	1	1	1	0	0	1	1	2	5	2	1	1	1	0	0	1
22	0	0	0	0	0	0	0	0	2	3	4	4	2	2	2	1	1	1	1	1	1	1	1	1	1
23	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	3	2	5	8	10	7	27	3
24	46	64	67	23	3	1	1	0	0	0	1	1	1	1	2	2	3	3	3	2	2	1	1	1	10
25	1	2	3	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	1	1	0	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	2	2	1	2	1	1	1	1	1
28	1	0	1	1	0	2	6	10	19	19	8	****	3	2	2	3	9	15	16	11	12	13	13	13	8
29	19	3	3	4	3	1	5	9	10	11	15	20	16	17	3	2	2	7	11	11	10	2	1	1	8
30	4	4	2	0	0	0	0	2	4	5	3	3	2	2	2	4	6	7	9	9	9	10	9	10	4
31	12	15	12	11	8	7	12	9	10	7	9	12	12	9	9	11	10	9	7	8	8	7	3	3	9
MEAN	4	4	4	2	1	1	2	3	4	4	3	2	2	2	2	2	3	4	4	4	3	3	3	3	2.8

PERCENTAGE OF DATA VALID - 98.0

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	2.6	11	38
FEB	28	2.8	10	57
MAR	31	2.6	11	48
APR	30	1.8	7	32
MAY	31	2.1	5	30
JUN	30	2.1	8	21
JUL	30	1.7	5	20
AUG	31	2.7	8	34
SEP	30	2.8	11	66
OCT	31	3.3	11	64
NOV	30	4.2	20	54
DEC	30	2.8	10	67
YEAR	363	2.6	20	67

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	631	62	36	7	2	0	0	738
FEB	588	38	24	9	2	1	2	664
MAR	662	35	20	12	9	1	0	739
APR	665	25	25	3	1	0	0	719
MAY	655	60	20	4	0	0	0	739
JUN	636	55	24	2	0	0	0	717
JUL	683	27	16	0	0	0	0	726
AUG	634	60	37	6	2	0	0	739
SEP	621	43	31	11	3	2	1	712
OCT	629	52	38	16	2	1	1	739
NOV	576	59	48	18	6	6	2	715
DEC	620	70	33	3	0	1	2	729
YEAR	7600	586	352	91	27	12	8	8676

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
99.0	0	0.0	0.2	0.6	1.4	6.3	10.9	18.1	23.7	67	2.6

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
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14																									
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16																									
17																									
18																									
19																									
20																									
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23																									
24																									
25																									
26																									
27																									
28																									
29																									
30																									
31																									
MEAN																									

PERCENTAGE OF DATA VALID - 89.4

PERCENTAGE OF DATA INVALID - 10.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE													MONTH - FEB 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	3	2	2	2	4	12	22	21	18	8	***	3	4	4	6	8	10	10	10	7	7	7	6	8
2	5	3	2	2	2	3	14	25	29	30	12	5	7	5	3	4	5	5	6	14	9	7	10	10	9
3	7	4	4	5	5	4	19	42	39	17	15	15	11	12	11	11	14	18	15	15	10	9	11	10	13
4	7	6	4	3	2	2	3	7	11	13	15	12	11	8	4	8	11	24	38	41	32	32	35	36	15
5	23	21	18	13	10	5	1	1	1	4	3	3	4	4	5	6	5	5	5	4	5	4	5	4	7
6	1	1	1	1	1	2	7	11	10	9	10	10	8	7	9	7	10	9	7	4	2	2	2	2	6
7	1	1	0	0	0	1	3	5	4	4	4	5	5	***	7	9	12	11	9	7	6	5	5	6	5
8	6	3	1	1	1	2	8	21	22	14	12	12	10	11	12	14	17	26	26	29	12	14	6	7	12
9	6	4	2	1	2	2	8	23	22	13	11	***	12	13	8	4	12	24	27	21	16	19	17	17	12
10	16	12	7	5	8	11	26	39	33	20	14	11	7	4	4	6	6	5	9	7	6	6	5	5	11
11	7	6	3	1	1	2	4	6	7	8	6	6	6	5	3	5	3	7	6	6	2	1	0	1	4
12	2	2	1	1	0	0	1	0	1	1	1	1	5	5	5	6	6	7	6	3	4	6	5	7	3
13	5	4	1	2	1	1	13	21	18	14	12	9	4	5	9	10	16	19	17	13	7	7	7	9	9
14	7	3	1	2	2	4	14	23	22	19	15	13	9	10	***	9	13	18	20	30	35	38	20	17	15
15	11	10	6	3	3	6	28	35	32	12	4	5	***	3	3	3	3	4	3	2	1	4	2	3	8
16	2	4	3	4	3	3	2	5	9	4	2	3	5	4	***	2	1	0	1	1	1	1	0	1	3
17	1	1	0	0	1	1	8	8	8	4	2	2	1	3	2	3	2	1	2	2	4	6	2	3	3
18	9	9	2	2	1	1	8	3	3	4	3	1	1	1	1	4	5	5	7	9	14	13	11	12	5
19	10	10	9	6	5	5	7	8	6	4	3	3	2	2	***	2	4	4	9	9	10	11	9	12	7
20	11	11	7	5	6	11	28	38	28	17	15	4	4	6	4	4	4	2	2	10	14	23	17	14	12
21	5	2	1	2	2	3	15	32	30	18	11	8	6	4	6	9	15	15	13	9	7	6	8	8	10
22	5	2	2	3	5	6	15	28	25	15	8	9	8	8	8	12	14	14	11	14	9	10	10	3	10
23	3	3	3	2	2	2	11	27	22	8	6	5	4	2	1	2	2	3	2	1	4	4	5	2	5
24	2	3	2	1	1	2	4	6	7	5	3	3	5	5	4	4	3	3	2	1	1	1	1	1	3
25	1	1	1	1	1	1	2	2	1	5	8	8	10	11	9	9	10	15	16	12	11	10	10	15	7
26	16	8	7	3	2	1	3	2	3	4	4	4	4	5	4	4	8	9	11	12	9	12	7	6	6
27	8	2	1	1	1	2	10	22	28	16	6	5	3	6	4	6	7	8	10	13	16	10	6	4	8
28	4	9	4	3	4	8	26	39	38	16	6	3	1	1	1	2	3	3	1	1	3	7	9	14	9
MEAN	7	5	3	3	3	3	11	18	17	11	8	6	6	6	5	6	8	10	10	11	9	10	8	8	8.0

PERCENTAGE OF DATA VALID - 99.0

PERCENTAGE OF DATA INVALID - 1.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION											
STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE															MONTH - MAR 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	20	16	4	1	1	2	12	28	33	19	10	8	6	7	****	8	12	13	18	23	14	8	9	12	12	
2	7	5	3	2	1	3	16	28	20	13	7	3	5	7	5	4	7	8	13	11	8	14	13	15	9	
3	14	17	16	12	9	12	3	2	2	4	3	6	9	8	16	15	14	13	14	10	10	7	6	5	9	
4	5	4	3	1	1	1	2	3	4	5	6	5	6	5	5	5	7	5	8	8	5	3	6	8	5	
5	8	9	5	3	1	1	1	2	1	2	2	2	2	3	2	4	4	4	2	0	0	0	0	1	2	
6	3	1	1	2	5	9	26	40	31	23	14	5	3	7	7	8	12	15	15	13	11	14	14	12	12	
7	8	4	1	1	1	2	10	17	15	14	8	7	6	6	7	9	14	13	11	7	6	6	10	9	8	
8	8	5	4	3	4	7	19	35	38	18	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
9	DATA INVALID -															1	2	3	2	1	5	32	22	16	19	*****
10	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	1	2	3	2	1	5	32	22	16	19	*****
11	14	14	11	10	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	
12	1	1	1	0	0	1	1	4	4	2	3	3	4	5	4	5	5	6	9	12	12	14	17	13	5	
13	10	18	15	17	17	23	52	52	36	10	7	4	3	2	2	2	2	3	1	1	0	0	0	0	12	
14	0	0	0	0	0	0	1	2	4	7	6	4	3	3	2	2	5	6	2	1	2	1	3	3	2	
15	1	1	1	1	0	0	1	8	17	19	15	11	8	7	7	9	11	12	13	14	10	9	10	9	8	
16	8	4	2	0	0	1	11	22	21	4	2	1	1	1	1	2	3	3	2	1	1	1	1	1	4	
17	0	0	0	1	1	1	1	1	3	1	2	2	2	2	2	4	3	3	2	1	4	8	8	9	3	
18	6	2	1	1	1	1	3	3	5	3	1	1	0	0	2	0	0	0	0	0	0	1	1	0	1	
19	0	0	0	0	0	1	1	1	1	1	2	2	2	3	3	3	3	3	4	4	5	6	6	7	2	
20	2	1	2	1	2	6	22	29	5	3	1	2	2	2	2	2	1	1	1	1	1	1	1	1	5	
21	15	16	2	4	3	7	8	40	43	61	49	46	39	****	20	12	16	14	9	9	6	6	4	5	19	
22	2	1	1	1	1	2	10	11	11	10	7	4	2	3	5	5	7	7	6	3	3	8	9	8	5	
23	6	3	2	1	3	4	12	18	12	10	8	8	4	4	5	6	8	9	15	18	14	13	5	4	8	
24	2	1	1	0	0	1	1	2	3	2	4	5	5	5	4	6	8	10	11	9	9	11	11	5	5	
25	6	2	1	1	2	3	8	6	5	1	1	1	1	1	0	0	0	0	0	1	0	0	0	0	2	
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	6	2	2	4	2	
27	4	2	1	1	1	3	13	17	18	***	14	14	13	12	11	15	16	13	17	18	13	11	7	4	10	
28	1	1	1	1	1	2	6	5	2	2	2	2	6	4	10	11	10	4	5	5	4	21	12	5	5	
29	6	6	2	1	1	3	10	13	12	9	8	8	7	7	8	***	11	9	14	18	13	9	10	11	9	
30	7	4	2	3	2	5	20	29	25	9	4	4	3	3	4	4	8	9	12	4	1	1	5	6	7	
31	4	5	4	3	6	16	29	15	7	4	3	3	3	3	3	2	2	1	1	1	1	1	1	1	5	
MEAN	6	5	3	2	2	4	10	15	13	9	6	6	5	4	5	5	7	7	7	7	6	6	7	7	6.5	

PERCENTAGE OF DATA VALID - 92.6

PERCENTAGE OF DATA INVALID - 7.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION										
		STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE														MONTH - APR 78										
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	2	2	3	4	6	3	2	4	4	3	***	***	***	***	***	3	4	2	2	1	2	4	3	
2	2	2	1	1	1	1	1	1	1	1	2	2	2	3	4	3	4	5	6	1	8	11	14	17	19	5
3	17	7	1	***	0	0	1	1	***	1	2	2	2	***	2	2	3	2	1	1	1	4	2	3	3	10
4	6	7	6	4	4	6	7	24	12	7	***	8	4	7	12	20	16	8	5	10	25	21	7	5	10	
5	2	1	1	1	0	1	5	14	11	9	8	7	7	8	6	7	11	9	10	13	16	23	29	28	9	
6	22	10	8	11	8	16	28	6	4	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	5	
7	1	1	2	6	4	2	7	14	10	8	7	9	8	7	9	8	10	9	7	9	7	5	3	5	7	
8	7	5	3	1	1	1	1	2	3	4	5	5	6	4	6	6	6	7	7	8	7	5	5	10	5	
9	10	7	6	2	1	0	1	1	1	1	1	2	2	3	2	3	4	2	1	2	3	1	0	0	2	
10	2	1	1	1	0	0	1	2	2	1	3	4	3	1	1	2	3	3	3	1	1	1	2	2	2	
11	2	1	1	1	1	2	4	14	7	6	17	12	31	10	10	8	6	***	4	3	6	7	6	1	7	
12	3	1	1	1	1	2	4	3	4	3	1	1	2	3	3	5	8	12	4	1	1	2	5	2	3	
13	2	2	2	2	1	2	2	8	6	4	5	6	5	4	6	7	10	9	9	8	8	6	7	5	5	
14	3	2	1	1	0	1	6	9	9	***	5	7	8	8	6	8	10	14	12	14	10	7	5	8	7	
15	6	9	10	6	1	1	2	3	3	3	5	4	7	8	7	7	6	6	8	11	13	14	12	11	7	
16	9	12	10	6	2	1	3	3	2	1	1	1	1	1	1	1	5	10	14	14	9	7	6	6	5	
17	2	1	0	0	1	7	16	17	10	4	2	4	2	2	2	2	2	3	3	7	16	10	17	7	7	
18	25	10	6	9	8	14	5	3	4	2	2	1	1	1	2	2	2	1	0	0	0	0	1	1	4	
19	1	1	1	1	1	1	1	2	3	4	4	5	6	6	5	9	8	6	5	4	3	3	3	3	4	
20	2	2	1	1	1	2	7	13	13	10	10	9	9	8	9	12	13	12	13	9	6	4	3	3	7	
21	2	1	1	1	1	1	6	***	10	8	7	6	6	7	8	9	10	10	9	12	7	8	7	5	6	
22	3	2	1	0	0	2	5	4	5	4	4	4	4	4	4	3	8	7	7	8	6	6	5	7	4	
23	11	10	6	6	5	3	3	2	2	2	1	0	1	0	0	0	0	0	1	2	14	36	39	38	8	
24	26	8	2	3	2	7	15	22	12	4	2	2	2	***	2	3	9	10	8	8	13	7	7	10	8	
25	9	5	3	1	1	4	16	20	11	3	2	2	2	2	2	2	3	2	1	1	6	14	24	23	7	
26	21	12	8	4	3	7	20	16	6	2	2	2	2	2	3	***	3	1	1	5	14	8	11	11	7	
27	10	8	4	2	1	3	13	21	19	8	5	2	1	2	2	2	2	2	10	8	8	5	3	5	6	
28	4	2	1	1	2	4	12	16	12	8	6	6	5	5	6	6	8	6	10	12	16	23	24	25	9	
29	18	24	8	5	1	3	4	5	8	5	4	3	3	3	3	3	4	5	4	5	4	3	4	5	6	
30	4	2	1	1	1	1	1	1	1	1	2	2	2	2	2	3	3	3	***	4	4	6	10	8	2	
MEAN		8	5	3	3	2	3	7	9	7	4	4	4	5	4	4	5	6	6	6	6	8	9	9	9	5.7

PERCENTAGE OF DATA VALID - 97.9 PERCENTAGE OF DATA INVALID - 2.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION												
		STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE												MONTH - MAY 78												
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	0	0	1	5	11	9	6	5	6	****	5	6	7	10	8	6	4	3	5	10	8	8	5	
2	3	2	2	3	5	17	21	13	8	7	***	5	5	5	2	3	8	6	5	6	7	8	9	3	7	
3	1	1	1	2	4	16	22	19	10	6	3	***	1	1	6	9	6	5	4	3	7	9	12	14	7	
4	5	5	1	0	1	3	11	5	2	2	1	1	1	1	1	2	2	2	1	2	1	2	2	1	2	
5	0	0	1	2	2	6	10	6	4	4	5	****	6	7	4	2	2	4	4	6	19	8	11	6	6	
6	4	3	3	2	2	6	10	6	4	3	2	1	1	2	2	1	1	1	1	1	1	1	1	1	2	
7	8	6	2	1	1	2	4	3	2	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	2	
8	1	1	1	1	1	1	2	3	2	2	5	3	3	2	4	6	7	4	3	2	2	4	7	3	3	
9	2	4	2	3	3	8	19	18	16	8	5	4	2	2	7	7	8	3	2	1	2	2	2	1	5	
10	1	1	1	1	2	7	15	13	****	8	7	7	7	7	7	7	10	7	7	6	6	2	3	6	6	
11	11	10	13	15	15	17	12	****	****	5	4	2	2	2	2	2	2	1	1	1	2	2	3	16	22	7
12	4	3	2	1	1	2	4	9	14	4	6	5	5	****	8	8	3	4	4	3	2	2	2	1	4	
13	2	2	2	2	2	2	2	2	2	3	3	4	8	10	2	2	2	2	4	2	1	2	1	1	3	
14	1	1	1	1	1	1	1	1	1	2	****	2	2	1	1	1	1	1	1	1	1	1	1	1	1	
15	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1	2	4	6	8	5	3	2	3	2	2	
16	1	1	1	1	1	5	5	6	5	3	2	2	2	3	3	3	3	3	4	10	22	16	5	2	5	
17	1	1	1	1	1	4	17	18	19	13	18	4	5	4	4	4	4	3	3	4	5	8	10	6	7	
18	16	15	13	9	9	22	28	22	13	10	****	5	5	4	4	3	4	3	4	5	6	28	32	28	25	
19	24	30	15	11	22	26	20	11	6	3	5	4	4	3	3	2	2	5	7	3	3	2	3	6	7	
20	11	5	3	2	10	17	16	4	3	3	2	2	2	2	2	2	2	5	7	3	3	2	3	6	7	
21	9	3	1	1	1	1	1	1	2	2	2	4	1	0	0	2	2	3	5	5	5	5	7	12	13	
22	4	2	1	1	5	8	5	1	1	2	1	0	0	0	0	0	0	0	0	0	0	23	33	21	5	
23	15	11	6	7	12	29	29	12	4	2	2	1	1	1	3	2	1	0	2	1	0	4	17	17	7	
24	10	4	1	5	3	4	4	23	11	6	2	****	1	1	2	2	2	2	2	2	2	7	21	8	3	
25	3	5	3	1	7	29	26	14	7	5	3	2	3	2	4	5	3	4	6	8	9	13	17	12	8	
26	8	4	1	2	6	16	22	12	6	6	2	1	1	1	1	1	1	1	1	1	1	1	1	1	6	
27	4	4	6	5	2	3	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	4	
28	23	10	6	1	1	1	1	3	2	2	3	3	3	3	4	4	4	3	3	2	2	2	2	3	10	
29	11	11	11	8	3	7	20	20	10	****	6	7	8	9	8	8	8	8	9	7	6	6	5	5	9	
30	6	11	13	13	13	8	7	12	8	1	6	7	7	7	8	7	7	6	6	6	5	5	5	5	5	7
31	5	5	8	5	7	11	10	7	7	6	6	6	****	5	****	1	1	1	1	1	1	0	0	1	0	4
MEAN		6	5	4	3	5	9	11	9	6	5	3	3	3	3	4	4	4	3	4	4	6	8	9	9	5.5

PERCENTAGE OF DATA VALID - 98.0 PERCENTAGE OF DATA INVALID - 2.0 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE													MONTH - JUN 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	1	2	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1
3	12	11	9	4	2	3	3	1	1	1	0	0	1	1	1	1	1	1	1	6	3	1	1	1	3
4	2	1	1	1	3	9	12	9	7	6	6	5	6	6	7	9	7	7	5	6	12	18	28	15	8
5	11	13	11	11	12	29	22	6	5	3	3	2	3	3	2	2	1	1	1	1	1	3	3	1	6
6	1	1	4	2	3	6	6	10	***	4	11	9	3	5	3	8	7	5	12	13	12	12	8	3	6
7	4	4	3	2	6	11	8	10	8	9	9	10	9	***	***	***	***	***	***	***	***	***	***	***	***
8	9	7	7	6	8	10	8	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
9	2	1	0	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1	2	2	2	2	2
10	2	3	3	3	3	7	6	6	5	***	***	2	2	3	3	3	4	6	4	6	5	5	5	2	4
11	1	0	0	0	0	6	9	6	3	2	6	5	6	4	5	7	5	4	2	3	5	3	4	3	4
12	1	1	1	1	2	13	17	9	4	3	3	3	4	***	5	7	5	4	4	5	8	11	9	4	5
13	2	1	1	1	6	20	17	11	7	5	2	0	1	1	1	2	1	0	1	1	1	5	8	4	4
14	5	7	2	1	4	2	6	4	2	1	1	1	1	1	2	0	1	4	5	2	3	5	1	0	3
15	0	2	2	1	1	1	2	2	2	3	3	3	4	4	4	4	4	4	5	6	6	6	5	5	4
16	3	5	7	4	3	6	4	4	4	6	5	***	5	6	6	6	7	6	7	8	8	10	11	6	6
17	5	3	3	4	8	19	31	27	13	11	9	6	5	4	4	3	4	5	6	6	10	18	21	27	11
18	11	11	11	7	12	24	37	38	8	7	2	2	3	***	2	2	1	1	0	0	0	0	0	0	8
19	0	0	8	12	16	22	5	4	20	16	3	3	***	5	5	6	9	8	7	6	10	12	14	16	9
20	5	2	2	2	5	14	17	11	6	5	3	4	3	5	5	5	4	5	4	6	5	3	2	7	5
21	5	3	1	1	4	11	14	11	8	7	6	5	4	6	8	8	10	8	10	10	10	11	13	12	8
22	11	7	7	6	7	9	9	5	4	2	1	1	1	1	1	1	1	1	1	1	1	1	23	19	5
23	16	8	10	9	11	19	10	1	1	2	1	1	1	***	1	1	1	1	1	1	1	1	1	1	5
24	1	2	2	3	4	3	5	7	9	7	6	7	6	6	6	8	6	6	6	6	6	7	7	6	6
25	8	6	9	7	6	8	10	12	9	7	7	6	6	7	8	10	10	7	7	7	6	8	7	6	8
26	4	4	4	4	5	13	16	12	10	9	8	***	7	8	9	10	11	9	8	7	9	12	12	9	9
27	8	7	3	3	5	12	15	13	10	7	6	6	6	7	8	9	8	7	6	6	8	11	10	8	7
28	7	4	3	4	5	11	17	15	10	8	***	6	5	5	4	5	6	6	6	4	5	5	5	4	7
29	8	7	3	3	5	12	15	13	10	7	6	6	6	7	8	9	8	7	6	6	8	11	10	8	7
30	7	4	3	4	5	11	17	15	10	8	***	6	5	5	4	5	6	6	6	4	5	5	5	4	7
MEAN	5	4	4	4	5	10	11	9	6	5	4	4	4	4	4	4	4	4	4	4	5	6	8	7	5.4

PERCENTAGE OF DATA VALID - 93.6 PERCENTAGE OF DATA INVALID - 6.4 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
2. \*\*\* INDICATES DATA IS UNAVAILABLE
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION													
STATION - C NO 35033 EVANS/ARNOLD AVE, ETOBICOKE													MONTH - JUL 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	5	5	4	2	3	7	9	5	1	1	0	0	0	0	0	0	0	0	0	0	0	8	27	23	4	
2	19	14	10	4	2	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
3	0	0	0	0	0	1	3	0	0	1	1	1	1	1	1	1	1	6	3	0	0	0	0	0	1	
4	1	1	1	1	1	1	2	2	1	1	***	2	2	1	1	2	1	1	1	0	3	15	17	17	3	
5	18	11	5	4	8	15	27	34	7	3	3	3	2	***	1	1	1	1	1	1	1	1	1	1	9	
6	***	***	***	***	***	***	***	***	5	3	5	3	3	3	***	2	2	1	1	1	2	2	2	2	2	
7	2	2	2	2	2	3	4	4	4	3	3	3	3	3	3	2	2	2	2	2	2	2	3	2	3	
8	2	2	3	2	2	3	3	3	3	3	3	3	2	2	2	3	3	3	4	4	4	3	5	5	3	
9	4	3	2	1	1	2	3	3	3	1	1	1	1	***	1	1	1	1	1	1	1	1	1	1	2	
10	1	1	1	1	2	6	11	9	7	6	5	4	5	5	6	7	6	6	6	5	5	6	7	7	5	
11	6	2	1	1	3	14	14	11	9	6	***	4	4	5	5	5	8	7	6	6	11	10	10	6	7	
12	5	3	5	3	5	17	18	16	8	3	1	1	1	***	1	1	1	1	1	1	1	1	2	2	4	
13	4	2	2	2	6	10	4	4	3	3	3	***	1	2	2	2	2	2	2	3	5	4	4	3	3	
14	5	4	4	4	8	23	23	14	8	6	4	3	4	3	4	3	3	2	3	17	9	11	13	11	8	
15	11	8	6	4	6	11	12	6	4	2	3	2	2	2	2	2	2	4	4	4	5	6	5	5	5	
16	5	3	2	1	1	2	2	3	3	3	3	2	1	1	3	4	4	5	4	6	5	6	5	4	3	
17	2	2	2	2	4	14	15	14	10	6	5	4	3	2	1	1	1	1	1	1	1	1	1	1	6	
18	6	2	2	3	8	18	36	23	12	9	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	
19	***	***	***	***	***	***	***	***	1	4	4	5	5	5	5	4	4	4	4	3	4	5	6	5	4	
20	5	5	5	5	5	6	7	6	6	6	6	***	4	5	4	4	4	4	4	4	4	7	9	8	5	
21	8	8	8	7	11	19	17	16	11	13	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	
22	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	
23	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	
24	6	5	4	5	7	15	20	18	7	5	5	4	4	4	4	5	4	4	4	3	3	3	3	3	6	
25	3	4	8	11	14	19	17	10	4	5	***	4	3	3	3	4	4	4	4	4	3	3	4	4	5	
26	3	3	3	3	3	4	6	5	5	4	4	4	3	3	3	3	3	3	3	3	5	4	3	3	4	
27	3	3	3	3	3	4	6	4	4	4	3	3	4	3	4	3	4	8	7	10	10	7	6	5	5	
28	4	5	4	3	5	11	15	12	10	9	8	5	6	4	3	3	2	2	2	2	2	5	9	8	6	
29	8	4	3	4	5	4	3	3	3	3	3	3	3	3	4	5	5	5	5	5	4	5	6	5	4	
30	4	3	3	4	2	3	4	4	5	5	3	2	2	2	2	2	2	2	2	2	5	3	12	24	14	5
31	11	5	7	7	7	5	5	5	4	2	3	3	3	3	3	4	3	3	3	3	4	7	15	16	5	
MEAN	6	4	4	3	5	9	11	9	5	4	3	3	3	3	3	3	3	3	3	3	4	4	6	8	7	4.7

PERCENTAGE OF DATA VALID - 86.4 PERCENTAGE OF DATA INVALID - 13.6 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
2. \*\*\* INDICATES DATA IS UNAVAILABLE
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION										
		STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE														MONTH - AUG 78										
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	12	10	7	8	6	13	12	8	4	4	4	6	5	4	3	3	4	4	4	4	5	17	17	14	7	
2	17	16	9	8	10	23	28	10	6	5	5	5	4	4	4	4	4	4	3	3	3	5	5	4	8	
3	4	4	4	4	5	10	15	16	12	11	10	10	10	10	10	6	5	4	4	4	8	7	6	6	4	
4	4	3	3	3	3	11	20	15	10	7	4	3	3	3	3	3	2	2	2	5	10	11	7	17	24	
5	26	18	17	11	9	13	14	8	3	2	2	2	2	1	1	1	1	1	1	1	2	2	2	3	9	
6	12	9	7	7	3	6	7	5	4	3	2	2	2	2	2	2	2	2	2	2	2	14	21	22	8	
7	19	16	6	4	4	8	9	5	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	
8	2	2	2	2	2	2	2	3	3	3	4	4	5	7	9	9	7	9	9	9	9	10	12	12	8	
9	2	2	2	2	2	2	2	15	11	6	4	5	4	4	4	3	3	3	3	3	3	4	7	9	19	
10	6	5	3	3	4	10	15	15	11	6	4	5	4	4	4	3	3	3	3	3	4	7	9	19	24	
11	25	15	10	9	12	21	29	22	13	6	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	
12	25	15	10	9	12	21	29	22	13	6	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	
13	25	15	10	9	12	21	29	22	13	6	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	
14	6	3	2	1	2	7	22	20	16	5	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	
15	3	3	3	3	5	5	4	5	5	4	4	3	3	3	3	2	2	2	2	2	2	2	2	2	2	
16	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
17	1	1	0	0	0	2	8	7	6	6	7	5	4	4	4	5	6	6	6	6	8	11	14	14	14	
18	12	14	9	6	7	13	19	13	6	3	2	2	2	2	2	2	2	2	2	2	4	4	4	4	4	
19	3	2	2	2	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	4	4	4	4	4	
20	3	2	1	1	1	2	4	3	4	5	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	
21	5	3	2	2	4	13	23	18	10	3	4	3	2	3	3	3	2	1	1	1	1	1	1	1	1	
22	5	3	2	2	4	13	23	18	10	3	4	3	2	3	3	3	2	1	1	1	1	1	1	1	1	
23	9	3	2	1	6	17	16	36	17	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24	2	1	1	1	1	1	4	12	8	6	4	6	7	8	6	6	5	6	8	7	7	7	7	7	6	
25	4	2	2	2	4	10	16	18	12	8	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
26	11	5	3	1	2	4	10	11	5	4	2	1	0	0	0	0	0	0	0	9	15	5	17	14	13	
27	13	11	7	4	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
28	0	0	0	1	1	2	7	7	6	4	1	2	3	2	3	3	4	3	3	3	4	5	6	7	5	
29	3	2	2	1	1	1	6	7	5	4	3	5	4	5	6	7	8	6	9	9	12	13	13	15	6	
30	11	9	6	4	8	21	38	13	10	7	3	2	2	2	2	2	2	1	1	1	2	13	9	9	7	
31	5	3	5	4	5	14	23	24	23	13	8	4	2	2	2	2	2	1	0	0	0	0	16	35	26	
MEAN	8	6	4	3	4	9	13	11	8	5	4	3	3	3	3	3	3	3	3	3	4	5	7	10	10	

PERCENTAGE OF DATA VALID - 86.7 PERCENTAGE OF DATA INVALID - 13.3 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. \*\* INDICATES DATA IS UNAVAILABLE  
3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION													
STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE														MONTH - SEP 78													
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
DAY	1	15	10	3	1	3	15	29	26	17	7	2	1	1	1	1	0	0	0	0	0	0	1	4	6		
2	5	5	11	5	1	13	16	8	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3			
3	0	1	0	0	0	1	0	0	1	2	2	2	3	2	2	2	3	5	5	6	4	5	10	13	3		
4	3	1	1	1	0	1	3	6	6	5	2	2	1	0	0	0	0	0	6	10	6	11	1	8			
5	10	6	7	6	4	20	35	30	20	14	8	7	6	6	5	1	1	1	1	1	1	2	1	1	2		
6	2	2	1	1	1	3	10	6	4	3	3	1	2	2	2	1	4	0	0	2	3	1	0	1	4		
7	0	0	1	1	2	9	13	14	13	10	9	6	2	2	2	2	2	1	1	1	0	0	0	0	5		
8	0	0	1	1	1	1	2	2	1	2	1	1	3	4	4	2	7	9	11	17	19	17	8	8	5		
9	8	5	6	3	2	5	10	5	8	7	4	2	2	0	0	0	0	0	1	3	1	1	0	0	3		
10	0	0	0	0	0	0	1	....	....	....	2	7	2	0	0	0	1	2	2	2	1	9	12	24	3		
11	22	24	16	15	19	42	56	36	23	22	13	10	5	4	4	4	3	3	5	9	13	12	7	5	16		
12	4	4	3	2	3	8	14	11	12	13	13	10	4	3	2	1	2	1	1	7	8	5	6	2	6		
13	2	1	1	1	2	12	15	14	10	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	3		
14	0	0	0	0	0	0	2	3	2	3	2	1	1	1	1	1	1	1	1	2	0	1	1	1	1		
15	1	1	1	1	2	11	10	10	6	4	3	2	5	5	5	5	5	2	1	1	0	0	0	2	3		
16	1	1	1	0	1	3	9	8	6	6	6	5	5	4	5	4	6	8	7	8	7	6	13	13	6		
17	13	11	5	3	4	7	8	7	9	1	0	1	1	1	1	0	0	1	1	7	8	7	9	7	4		
18	3	1	1	1	0	2	12	7	3	3	2	1	3	3	3	10	2	1	2	6	7	9	2	5	5		
19	3	1	1	1	3	11	22	28	23	15	6	4	3	3	3	3	3	2	2	1	2	1	2	5	6		
20	0	0	0	0	3	16	30	41	31	6	3	3	3	3	2	3	2	1	2	1	8	17	16	14	9		
21	11	10	10	19	23	32	52	43	28	15	14	11	12	11	11	14	14	14	12	8	8	8	7	5	15		
22	3	2	1	1	2	11	24	22	18	11	11	11	4	6	11	5	4	6	21	22	15	11	14	14	10		
23	14	10	10	9	12	19	24	28	17	6	2	1	0	0	0	0	0	0	2	3	3	3	1	1	7		
24	38	36	26	17	12	11	11	10	9	1	0	0	0	0	0	0	1	1	2	6	4	7	6	7	9		
25	0	0	0	0	2	11	23	17	10	8	6	7	9	9	11	11	11	11	10	9	11	11	13	11	9		
26	14	10	7	6	9	26	42	43	72	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18		
27	2	4	5	1	1	2	9	20	17	12	9	9	7	8	8	9	11	12	13	19	22	23	18	20	19		
28	2	1	1	1	2	9	20	17	12	9	9	7	8	8	9	11	12	13	19	22	23	18	20	19			
29	23	17	11	13	17	28	47	67	43	15	4	4	3	2	2	2	2	1	1	0	0	1	1	3	13		
30	3	2	1	6	4	4	8	1	2	1	1	1	1	1	1	0	1	1	2	4	1	1	1	0	2		
MEAN	7	6	4	4	5	12	19	17	13	7	4	3	3	3	3	3	3	3	5	6	5	5	6	6	6.2		
PERCENTAGE OF DATA VALID - 98.2																											
PERCENTAGE OF DATA INVALID - 1.8																											
PERCENTAGE OF DATA UNAVAILABLE - 0.0																											

PERCENTAGE OF DATA VALID - 98.2 PERCENTAGE OF DATA INVALID - 1.8 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT											UNITS - 0.01 PARTS/MILLION															
STATION - C NO 35033											EVANS/ARNOLD AVE. ETOBICOKE											MONTH - OCT 78				
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	1	1	0	0	1	2	4	3	2	4	3	5	****	6	5	3	6	9	10	11	11	8	10	9	5	
2	5	4	4	4	6	19	33	39	24	14	8	6	4	3	3	3	2	2	4	4	5	7	31	45	12	
3	37	26	10	5	3	3	5	6	6	4	****	2	2	2	3	3	3	2	2	2	2	3	3	2	6	
4	3	2	2	2	2	3	8	31	16	7	*****	DATA INVALID												*****		
5																										
6	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
7	3	2	2	1	2	3	5	5	6	****	5	6	6	6	7	8	7	9	10	9	10	9	7	7	6	
8	5	4	2	1	1	2	3	3	4	5	5	6	6	6	7	6	6	8	9	11	12	13	16	12	6	
9	12	13	8	7	8	16	26	14	7	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	5	
10	1	1	1	0	1	2	10	16	12	10	****	4	3	2	3	5	7	3	2	5	3	2	6	10	5	
11	18	49	37	26	35	44	16	18	9	5	6	3	2	2	3	6	5	3	1	1	1	2	1	1	12	
12	1	1	1	1	1	2	5	6	4	2	2	2	1	1	3	5	8	12	6	5	6	8	4	3	4	
13	1	1	1	2	8	19	33	23	19	17	12	12	12	9	14	12	9	13	14	14	11	8	8	6	12	
14	4	3	2	2	2	3	6	8	8	****	*****	9	12	9	11	8	9	11	14	13	9	9	21	23	9	
15	21	15	7	5	6	6	9	6	4	2	****	2	2	1	1	****	1	1	1	11	21	26	28	23	9	
16	10	****	****	2	4	14	24	28	19	15	****	2	1	2	1	2	2	3	22	29	39	40	39	29	16	
17	25	16	10	8	12	27	54	50	30	13	4	3	2	2	2	1	1	****	0	****	0	****	6	12	9	13
18	12	14	12	16	6	13	22	12	7	8	4	6	5	2	3	5	4	5	5	8	5	4	6	8	8	
19	5	2	1	1	5	22	31	31	21	****	9	6	5	4	5	6	5	7	14	15	14	5	5	3	10	
20	2	2	2	3	9	19	38	45	24	8	5	2	2	2	3	2	****	5	7	2	2	****	1	2	9	
21	2	1	1	1	2	14	39	37	4	2	2	1	1	1	1	1	1	1	1	1	1	1	****	1	5	
22	1	0	0	0	0	0	1	1	****	1	1	1	1	1	1	1	0	0	3	0	0	1	6	3	1	
23	1	1	1	1	2	5	10	9	10	8	7	6	6	5	6	7	6	6	5	3	6	9	12	14	6	
24	11	14	13	13	16	24	31	28	15	8	2	****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
25	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
26	1	1	1	1	2	6	9	8	11	11	13	13	9	10	12	14	18	13	14	11	10	8	6	5	9	
27	4	2	1	1	3	7	17	14	6	5	2	3	4	5	3	3	1	1	2	2	1	1	1	1	4	
28	2	3	4	1	1	4	9	****	10	8	6	5	5	6	7	8	10	10	8	6	6	8	7	6	6	
29	9	7	4	3	2	2	5	7	6	6	5	3	2	2	1	1	1	2	5	23	35	33	4	5	7	
30	2	1	1	1	3	2	4	10	5	5	4	4	4	4	4	5	6	8	10	17	17	4	6	9	6	
31	3	1	6	1	1	2	10	16	18	8	8	6	****	3	3	10	8	8	6	5	6	9	9	10	7	
MEAN	7	7	5	4	5	10	17	18	11	7	5	5	4	4	4	5	5	5	7	8	9	8	9	9	7.4	

PERCENTAGE OF DATA VALID - 87.4

PERCENTAGE OF DATA INVALID - 12.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 35033		EVANS/ARNOLD AVE. ETOBICOKE												MONTH - NOV 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	8	8	6	4	4	5	14	28	31	17	6	****	2	2	2	3	4	4	3	5	10	11	6	5	8
2	5	3	3	3	2	2	5	12	13	7	****	3	2	3	6	8	11	16	19	12	18	30	37	37	11
3	42	37	19	22	24	21	32	49	50	20	7	5	4	****	****	3	5	5	9	17	19	53	46	23	4
4	34	15	6	5	5	****	6	9	5	****	****	4	3	****	****	****	****	5	10	40	41	23	13	11	14
5	16	28	23	24	17	13	20	27	6	****	****	****	****	2	****	****	****	****	5	21	****	****	****	****	****
6	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
7	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
8	11	6	5	6	6	10	24	58	67	30	7	7	****	****	2	2	3	2	3	2	2	1	1	2	12
9	2	1	1	0	0	0	0	2	4	3	2	3	2	2	2	3	6	9	6	8	8	9	17	16	4
10	12	20	23	10	6	7	17	31	24	14	6	****	8	7	11	8	10	6	3	3	2	10	22	4	11
11	3	2	6	22	22	4	4	5	8	12	12	5	2	2	4	5	12	12	14	9	9	6	5	6	8
12	5	5	5	2	0	0	2	2	2	4	6	6	7	10	10	6	11	3	1	10	13	16	9	9	6
13	3	1	0	0	1	3	11	24	32	32	****	****	7	8	10	12	8	9	8	7	4	3	2	3	9
14	5	1	3	2	1	1	4	5	6	6	3	****	5	5	8	9	12	12	10	9	6	5	3	3	5
15	2	1	1	0	0	1	2	6	8	10	10	****	9	7	7	9	17	22	20	31	35	36	40	13	13
16	42	28	26	9	7	7	18	47	45	24	****	4	4	3	3	3	5	6	3	3	1	1	1	1	3
17	2	0	0	1	1	1	2	3	4	3	4	4	3	4	4	11	13	7	3	2	1	1	1	1	3
18	1	1	0	0	0	0	1	1	2	2	4	5	5	6	6	6	4	2	2	1	1	0	1	2	5
19	1	1	0	0	0	0	0	1	1	2	3	3	4	****	7	7	9	11	12	11	12	10	8	7	5
20	3	1	1	1	1	1	6	18	21	14	13	14	9	13	14	18	22	22	21	15	11	9	8	8	11
21	5	3	2	1	1	3	10	25	29	23	20	15	8	8	5	7	9	9	6	5	4	2	10	3	9
22	2	1	1	1	1	2	3	6	7	****	5	5	4	4	4	5	7	6	4	5	4	3	3	4	4
23	3	2	3	2	3	4	3	5	7	7	7	7	8	11	****	10	7	5	4	5	4	4	7	7	5
24	6	4	3	2	2	3	6	15	21	16	12	****	9	****	****	****	****	****	****	****	****	****	****	****	****
25	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
26	7	8	6	5	3	2	3	4	3	3	5	5	4	****	4	9	13	15	13	13	12	11	9	7	7
27	0	1	1	1	1	2	0	1	1	1	1	1	3	1	1	2	3	12	13	9	7	5	5	4	3
28	3	2	2	1	2	3	11	19	28	29	21	14	11	12	9	11	14	14	6	3	2	1	3	2	9
29	1	1	2	2	1	2	4	9	8	9	6	6	5	4	3	4	4	3	3	3	5	2	1	1	4
30	1	1	0	0	0	0	4	11	9	12	****	7	8	9	7	8	12	7	8	12	3	2	1	3	5
MEAN	8	7	5	5	4	4	8	15	16	12	8	6	6	6	6	8	10	10	9	10	9	9	10	9	8.3

PERCENTAGE OF DATA VALID - 87.8



POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE															MONTH - DEC 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	2	2	1	1	2	4	7	6	5	8	7	7	11	10	6	12	4	5	7	10	9	10	6
2	6	5	3	1	1	1	3	6	8	8	8	***	6	7	8	10	12	15	16	20	19	16	17	14	9
3	13	8	6	3	1	1	1	3	2	0	0	0	0	1	1	2	2	2	2	2	4	7	8	13	3
4	3	8	5	2	1	1	6	8	6	5	3	***	2	3	4	4	4	2	1	1	0	1	1	2	3
5	1	0	0	0	0	0	1	1	3	2	***	4	2	2	3	2	2	3	2	3	3	1	1	3	2
6	2	1	1	1	3	3	5	10	14	12	6	7	9	9	10	10	14	19	15	14	10	9	10	9	8
7	7	6	3	1	2	4	14	31	14	8	3	5	4	2	1	2	2	3	2	2	3	3	4	3	5
8	3	5	4	6	8	8	18	30	37	29	***	18	18	15	19	20	25	41	34	33	26	23	17	18	20
9	20	11	6	2	1	2	8	13	23	21	17	15	17	14	15	14	***	***	***	***	***	***	***	***	12
10	- DATA INVALID -																								
11	-	-	-	-	-	-	-	-	-	-	***	4	4	6	4	8	9	7	8	7	8	7	4	3	***
12	3	2	1	2	2	2	3	6	6	5	3	3	***	4	4	4	4	6	3	3	3	3	2	2	3
13	1	1	2	1	1	1	1	1	2	1	3	3	***	3	4	3	4	3	4	4	3	2	2	2	2
14	1	1	0	0	0	1	8	14	14	7	3	***	4	1	2	2	3	2	1	0	0	0	0	0	3
15	0	0	0	0	0	0	1	3	3	2	2	2	2	2	3	3	3	3	2	4	5	6	6	4	2
16	8	11	7	6	4	3	4	8	6	8	6	7	5	3	4	6	5	5	7	8	4	2	2	1	5
17	1	4	4	1	0	0	0	0	1	1	2	2	3	4	4	4	5	5	3	3	4	6	5	5	3
18	4	2	1	1	1	3	5	17	17	17	15	17	16	12	11	13	14	17	16	10	9	11	8	7	10
19	4	3	4	5	4	6	18	29	30	21	14	13	10	12	16	18	26	29	24	19	12	14	13	14	15
20	10	8	7	4	3	5	5	1	***	11	4	2	4	5	5	5	4	2	2	1	2	2	2	5	4
21	5	5	3	2	2	2	3	6	8	5	6	***	10	11	10	11	19	18	14	13	10	5	2	2	7
22	5	1	1	1	1	1	1	4	7	7	6	4	5	4	3	2	1	1	1	4	3	3	3	3	3
23	1	1	0	0	0	0	0	1	1	2	4	5	6	6	6	7	5	11	12	25	27	28	45	77	11
24	71	74	29	7	3	1	1	1	1	1	2	2	1	3	2	1	1	1	1	1	1	1	1	1	9
25	2	1	1	0	0	0	2	2	2	2	6	6	2	2	2	3	3	1	1	1	2	3	2	4	3
26	4	3	1	0	0	0	0	0	0	1	1	1	1	2	2	4	7	5	5	3	4	4	5	2	
27	4	3	1	0	0	2	8	10	10	4	3	4	6	***	7	9	13	12	11	11	6	6	6	10	6
28	5	2	2	9	3	6	14	28	39	25	14	11	9	10	12	14	31	31	23	23	18	25	32	29	17
29	22	16	11	7	5	5	15	25	33	28	34	36	34	8	2	1	2	1	21	6	1	1	1	1	13
30	1	1	1	1	1	1	1	1	7	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	7	6	4	2	2	2	5	9	11	8	6	7	7	5	6	6	8	9	8	8	7	7	7	9	6.5

PERCENTAGE OF DATA VALID - 92.9

PERCENTAGE OF DATA INVALID - 5.8

PERCENTAGE OF DATA UNAVAILABLE - 1.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	27	8.1	24	73
FEB	28	8.0	15	42
MAR	28	6.5	19	61
APR	30	5.7	10	39
MAY	31	5.5	13	33
JUN	27	5.4	11	38
JUL	27	4.7	9	36
AUG	26	5.7	9	38
SEP	30	6.2	16	72
OCT	26	7.4	16	54
NOV	26	8.3	23	67
DEC	29	6.5	20	77
YEAR	335	6.5	24	77

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	336	169	106	37	9	6	2	665
FEB	327	170	115	35	16	2	0	665
MAR	411	134	114	15	9	3	3	689
APR	424	190	67	20	4	0	0	705
MAY	481	148	70	28	2	0	0	729
JUN	401	194	67	9	3	0	0	674
JUL	486	94	54	7	2	0	0	643
AUG	418	123	83	18	3	0	0	645
SEP	446	121	98	26	6	6	4	707
OCT	360	157	81	27	19	5	1	650
NOV	317	159	94	36	15	8	3	632
DEC	442	119	86	27	12	2	3	691
YEAR	4849	1778	1035	285	100	32	16	8095

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT  
OF DATA  
VALID

MIN

10

30

CONCENTRATIONS  
FREQUENCY DISTRIBUTION, PERCENT

50

70

90

95

98

99

MAX

ARITH  
MEAN

92.4

0

0.3

1.7

3.7

6.8

14.2

20.7

29.0

36.1

77

6.5

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44010

1298 REBECCA ST OAKVILLE

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	1	0	1	1	1	1	0
2	0	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	4	6	9	5	4	2	1	2
4	1	1	1	1	1	2	2	2	5	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2
5	3	2	1	1	1	1	2	12	29	22	14	3	2	5	4	4	3	3	4	13	25	24	16	14	9
6	6	1	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	1	3	2	2	2	3	5	3	1	1	1	1	10	6	1	1	2	7	15	9	2	8	9
8	8	8	7	2	1	1	0	1	1	1	1	1	1	1	2	2	7	8	13	6	3	2	1	1	0
9	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	2	3	2
12	2	2	2	2	2	2	3	5	6	6	4	3	***	3	3	3	2	4	7	6	10	13	7	8	10
13	8	5	4	4	5	7	3	1	1	1	1	1	1	1	1	1	3	5	6	4	2	1	1	1	3
14	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1
15	1	2	2	2	2	7	13	30	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4
16	1	1	1	1	1	2	2	2	3	3	3	3	2	***	2	2	2	2	3	3	3	5	5	7	10
17	15	10	9	6	6	4	4	5	7	11	14	14	11	***	1	1	1	1	1	1	1	1	1	1	1
18	2	1	1	1	1	1	1	2	2	2	2	2	2	2	18	17	19	4	12	13	11	5	15	26	
19	8	5	4	3	4	6	14	20	12	7	6	***	2	2	2	2	4	7	12	11	9	9	10	6	1
20	1	1	1	1	1	1	1	1	1	1	2	4	4	3	3	3	3	3	3	3	3	2	2	1	1
21	1	1	1	1	1	1	1	1	1	2	2	2	1	1	2	2	2	3	3	3	13	32	11	8	5
22	5	1	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2
23	2	2	2	2	2	2	2	3	4	4	3	3	-	1	2	2	2	2	2	1	2	2	1	2	2
24	2	2	3	3	2	2	3	6	8	7	4	4	3	2	2	2	3	2	1	1	2	1	2	2	3
25	2	2	1	1	1	1	8	17	24	28	17	***	***	7	4	2	3	1	1	1	1	0	0	0	6
26	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	5	5	5	5	6	6	6	8	7	6	6	6	5	5	4	4	4	4	5	5	5	5	5	5	3
29	7	7	7	7	7	7	7	7	8	7	7	7	7	7	7	7	7	6	6	7	7	6	6	6	6
30	8	8	7	7	7	7	7	8	16	12	8	8	2	2	2	2	2	3	3	2	2	2	2	2	5
31	2	2	2	2	2	2	2	3	4	3	3	2	***	2	2	2	1	2	2	2	2	1	1	1	2
MEAN	3	2	2	2	2	2	3	5	5	5	4	3	2	3	3	3	3	4	4	4	5	4	4	4	3.3

PERCENTAGE OF DATA VALID - 98.7

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - C NO 44010 1298 REBECCA ST OAKVILLE												MONTH - FEB 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	2	2	1	1	2	2	1	1	1	1	1	1	1	1	2	1	1
2	1	1	2	2	2	2	3	6	11	10	7	4	3	***	1	1	1	3	8	11	2	1	2	3	4
3	1	1	1	1	1	1	5	12	8	4	3	2	1	1	1	1	2	4	5	4	3	3	1	1	3
4	1	1	1	1	0	0	0	1	1	1	1	2	1	1	1	1	2	4	9	12	6	5	6	7	3
5	7	6	5	4	3	2	0	0	0	0	0	0	0	0	0	2	2	3	1	1	1	1	1	0	2
6	0	0	0	0	0	0	0	1	2	2	2	2	***	1	1	1	1	1	1	1	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	3	4	3	2	***	1	1	1	***	2	12	25	23	15	13	19	6
9	9	1	1	1	1	1	1	5	15	14	5	2	2	***	2	1	2	2	2	5	6	4	3	2	4
10	2	1	1	1	1	1	1	4	17	11	5	2	1	1	1	1	1	2	1	1	1	1	1	1	3
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	4	3	4	1	***	1	1	1	1	1	1	3	2	2	1	1	2
14	1	1	1	1	1	1	1	2	4	3	3	2	2	1	1	1	1	2	9	15	12	9	5	3	3
15	1	1	1	1	1	2	4	9	13	14	3	2	1	1	1	1	1	1	1	2	4	14	2	1	3
16	1	2	2	1	1	1	2	3	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	3	4	2	2	1	1	1	1	1	1	1	1	1	2	2	2	1	1
18	1	3	1	0	1	1	1	2	2	1	2	1	1	1	1	1	1	1	2	1	1	2	2	9	2
19	4	6	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	3	5	6	2
20	10	4	1	1	3	6	9	7	9	17	7	2	***	1	1	1	1	1	2	7	5	2	1	1	4
21	1	1	1	1	1	1	1	4	6	4	1	1	1	1	1	1	1	1	2	3	1	1	1	1	2
22	1	1	1	1	1	1	1	4	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	2	7	3	3	2	***	3	4	4	4	5	4	4	4	3	3	3	3
24	3	3	3	2	2	2	2	4	4	3	2	2	2	2	3	3	5	6	5	4	4	4	3	3	3
25	3	2	2	2	2	2	2	2	2	3	2	1	2	2	2	2	3	4	5	8	9	7	3	4	3
26	3	4	3	2	2	2	2	3	2	1	2	2	2	2	2	2	2	2	5	7	4	3	4	3	3
27	5	3	3	2	2	2	5	6	4	3	2	2	2	2	2	2	3	4	7	9	8	4	3	3	4
28	4	5	4	5	7	7	13	20	14	12	6	3	3	3	2	2	3	3	3	15	38	33	31	15	10
MEAN	2	2	2	1	1	2	2	4	5	4	3	2	1	1	1	1	2	2	3	5	5	5	4	3	2.7

PERCENTAGE OF DATA VALID - 98.8 PERCENTAGE OF DATA INVALID - 1.2 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - C NO 44010 1298 REBECCA ST OAKVILLE												MONTH - MAR 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	8	5	5	4	3	3	4	7	7	5	4	3	3	2	3	3	3	5	9	7	5	4	5	4	5
2	4	3	3	2	2	2	4	9	10	9	5	4	4	2	2	2	2	4	5	7	10	8	10	12	5
3	12	11	5	5	7	9	2	1	1	1	1	1	2	2	2	5	4	5	6	5	4	3	4	3	4
4	3	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	5	5	3	3	2
5	3	3	3	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	3	3	3	3	4	4	2
6	3	3	3	4	4	5	6	16	11	5	4	4	***	5	5	5	5	5	12	21	21	17	8	8	8
7	8	4	3	3	3	3	7	15	9	6	6	4	3	2	3	3	3	5	9	7	7	6	5	3	5
8	4	4	4	3	4	3	5	9	15	19	11	1	1	1	2	1	1	1	2	11	20	17	18	18	7
9	16	17	16	12	11	11	12	20	23	21	8	8	6	8	6	4	5	7	7	7	6	5	4	5	10
10	9	10	9	7	9	5	6	8	9	9	8	***	***	***	***	***	***	***	***	***	***	***	***	***	***
11	- DATA INVALID -																								
12	- DATA INVALID -																								
13	- DATA INVALID -																								
14	- DATA INVALID -																								
15	- DATA INVALID -																								
16	- DATA INVALID -																								
17	- DATA INVALID -																								
18	- DATA INVALID -																								
19	- DATA INVALID -																								
20	***	***	***	***	***	***	***	***	***	***	***	***	***	1	1	0	0	0	1	0	0	0	0	1	*****
21	0	2	6	8	7	11	13	20	21	9	3	4	5	3	2	1	1	1	1	1	1	1	1	0	5
22	1	1	1	1	1	1	1	1	1	1	1	***	0	0	0	0	0	0	0	0	0	1	1	0	1
23	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	1	1	1	2	3	4	6	2	1	1
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0
25	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
27	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1
28	0	0	0	0	1	1	1	1	1	1	1	1	***	***	1	2	2	2	2	3	4	3	3	3	2
29	2	2	1	1	1	1	1	1	1	1	1	1	***	***	1	2	2	2	2	3	4	3	3	3	2
30	2	2	2	1	1	1	3	3	3	3	3	3	2	2	2	2	2	3	4	5	5	5	5	4	3
31	2	2	3	3	3	4	6	10	6	3	4	3	***	3	4	3	3	2	1	1	1	1	2	2	3
MEAN	4	3	3	3	3	3	4	6	6	5	3	2	2	2	2	2	2	2	3	4	5	4	4	4	3.4

PERCENTAGE OF DATA VALID - 66.7 PERCENTAGE OF DATA INVALID - 33.3 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - C NO 44010 1298 REBECCA ST OAKVILLE												MONTH - APR 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	3	6	5	4	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	5	8	9	2
3	11	10	2	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	3	3	2
4	3	2	2	3	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	9	11	11	9	4	4
5	2	2	2	2	2	2	2	4	3	3	2	2	3	3	3	3	3	3	4	6	11	13	14	14	4
6	10	7	5	6	11	13	11	8	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
7	3	3	4	4	3	2	2	3	3	2	3	4	2	2	3	3	3	3	3	2	2	1	1	1	3
8	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	3	3	5	2
9	6	6	4	4	2	2	2	2	1	1	1	2	2	1	1	2	1	1	1	6	12	7	2	3	3
10	2	2	2	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	2	2	1	1
11	2	1	1	1	2	2	2	2	2	5	6	8	***	***	***	***	***	***	***	***	***	***	***	***	***
12	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
13	4	4	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	3	3	4	4	3	3	4	***
14	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	3	3	4	4	2	2	3
15	3	3	3	2	3	2	2	2	2	1	1	2	2	2	2	2	2	2	3	4	4	4	2	3	2
16	3	3	3	2	2	2	2	1	1	1	1	2	3	2	2	2	2	2	2	2	3	6	5	3	2
17	2	2	2	2	2	3	5	4	4	6	4	4	***	***	***	***	***	***	***	***	***	***	***	***	***
18	4	4	4	3	5	8	8	4	2	2	2	2	3	2	2	2	2	2	2	7	18	10	7	6	4
19	2	2	2	2	1	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2	3
20	1	1	2	3	3	3	3	3	4	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	3
21	2	2	2	1	1	2	2	3	2	2	***	2	2	2	2	2	2	2	3	4	5	5	3	3	2
22	3	2	2	2	1	2	2	1	1	1	2	2	1	2	2	2	2	2	2	4	5	4	4	7	2
23	7	10	12	15	11	7	4	2	3	3	3	3	2	2	2	1	1	1	3	8	20	19	16	14	7
24	12	7	6	4	3	4	5	6	5	4	3	2	1	1	1	2	2	3	2	4	5	7	6	4	4
25	5	4	4	4	4	4	6	8	7	4	2	2	2	***	***	***	***	***	***	***	***	***	***	***	***
26	15	13	9	8	7	7	6	4	2	2	2	2	1	2	2	2	2	2	2	2	2	4	5	10	4
27	4	3	3	3	2	2	4	6	6	4	5	5	2	2	1	1	2	2	3	19	14	8	7	6	
28	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2	3	5	11	22	17	15	9
29	6	5	4	3	2	3	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
30	3	3	2	2	3	2	1	1	1	1	1	1	1	2	2	1	1	2	2	3	5	3	3	2	2
MEAN	4	4	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	3	4	6	5	4	5	3.2

PERCENTAGE OF DATA VALID - 95.8

PERCENTAGE OF DATA INVALID - 4.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - C NO 44010 1298 REBECCA ST OAKVILLE												MONTH - MAY 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	1	2	3	3	3	2	2	****	-	2	2	2	2	2	2	3	3	3	3	3	2	2
2	2	2	3	5	5	6	5	3	2	2	2	2	2	2	2	2	2	2	3	4	5	4	3	2	3
3	2	2	2	2	3	3	6	5	5	5	4	3	3	3	3	2	2	3	3	4	4	6	9	7	4
4	4	4	2	2	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2
5	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7	7	4	3	2	2	3	3	3	2	2	2	2	2	2	2	3	3	5	4	9	14	8	7	7	4
8	1	1	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
9	3	3	4	4	4	4	5	5	5	4	3	3	2	2	4	3	3	3	3	3	3	4	3	3	2
10	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	3	4	5	6	13	3
11	9	7	6	5	7	15	7	2	2	2	3	3	4	3	3	3	3	3	3	3	4	6	6	3	5
12	4	3	3	3	2	3	10	6	3	2	3	2	3	4	4	4	3	4	4	4	4	5	7	6	4
13	5	4	3	3	3	3	3	2	2	2	2	2	4	5	3	3	5	9	6	4	3	3	4	4	4
14	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	1	1	1	2
15	2	2	2	2	1	1	1	1	1	2	1	1	2	2	2	2	2	2	2	2	3	2	2	2	2
16	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2
17	3	3	3	3	3	4	6	7	3	3	3	2	***	***	***	***	***	***	***	***	***	***	***	***	***
18	3	7	5	2	4	8	12	11	10	8	7	6	8	4	4	4	6	6	7	8	9	14	20	9	8
19	7	10	12	11	11	11	13	7	8	7	7	4	4	4	3	3	3	3	3	8	19	27	11	15	9
20	8	6	6	4	5	5	6	6	6	5	5	5	5	5	5	5	5	5	5	6	5	5	5	5	5
21	4	3	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	5	4	10	13	3
22	4	4	3	4	3	2	2	2	2	1	3	1	1	1	1	1	1	1	1	2	3	7	24	21	9
23	6	5	4	4	5	8	12	8	4	2	3	***	***	***	***	***	***	***	***	***	***	***	***	***	***
24	11	5	2	2	3	12	4	6	10	6	5	4	3	3	3	3	3	3	4	5	8	15	23	17	7
25	11	11	5	4	5	7	9	7	5	3	2	2	4	3	3	2	2	2	3	7	11	12	8	9	6
26	9	6	6	8	6	7	9	8	5	4	5	5	***	***	***	***	***	***	***	***	***	***	***	***	***
27	8	12	9	7	6	6	6	8	5	5	6	5	5	5	4	4	4	4	4	4	8	7	16	14	7
28	10	10	4	3	4	6	7	4	4	4	4	4	4	4	4	4	4	4	4	4	8	7	16	14	7
29	14	11	6	6	4	3	12	10	5	6	6	***	***	***	***	***	***	***	***	***	***	***	***	***	***
30	8	5	5	5	4	4	7	6	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5
31	4	6	6	5	5	6	6	5	5	5	4	4	***	***	***	***	***	***	***	***	***	***	***	***	***
MEAN	5	5	4	4	4	5	5	5	4	3	3	3	3	3	3	3	3	3	3	4	6	7	8	7	4.2

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44010 1298 REBECCA ST OAKVILLE

MONTH - JUN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	2	2	2	5	3	3	3	3	3	3	3	3	2	2	2	2	2	5	4	2	3	4	3
2	3	2	3	4	3	2	4	4	5	4	4	...	3	3	3	3	3	3	3	4	5	6	5	4	4
3	2	2	2	2	1	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	3	4	8	10	3
4	7	7	3	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	3	3	3	2	3
5	2	2	3	5	6	9	12	8	5	4	4	2	2	2	2	2	2	2	2	2	3	6	5	4	2
6	4	3	3	5	6	9	12	8	5	4	4	2	2	3	3	4	6	7	10	11	7	5	4	4	6
7	10	13	9	8	5	3	4	4	4	4	4	4	4	4	4	5	4	4	4	3	3	2	2	3	4
8	5	6	6	6	7	6	5	6	5	5	4	4	4	4	4	5	4	4	3	3	4	2	2	3	4
9	2	2	2	2	2	3	3	2	2	2	2	2	2	3	3	3	2	3	3	3	4	4	5	6	3
10	7	6	3	3	3	4	4	3	3	3	3	3	2	2	2	2	1	2	2	3	4	3	3	4	3
11	7	8	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	3	2	3
12	4	4	2	3	4	4	4	4	4	4	3	3	3	2	2	3	3	4	5	4	4	3	2	3	2
13	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	2	2
14	2	2	2	2	2	3	3	2	2	2	1	2	2	2	2	2	2	2	2	2	2	4	5	4	2
15	2	2	2	2	3	3	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	4	2
16	7	7	4	2	3	3	4	3	3	3	2	...	2	2	2	2	5	5	4	3	3	3	3	4	3
17	2	2	2	2	2	2	2	2	2	2	2	2	3	4	3	3	3	3	3	3	5	4	3	3	3
18	3	3	3	3	2	3	2	2	3	4	3	3	3	3	3	3	3	3	3	4	6	10	10	8	5
19	3	3	3	3	3	5	9	7	6	3	...	3	3	3	3	2	3	2	3	3	6	8	14	21	6
20	5	6	8	7	7	7	11	9	6	5	4	3	...	3	2	2	3	2	3	3	6	8	14	21	6
21	15	12	8	7	4	4	5	10	12	9	5	4	5	4	3	2	3	2	2	2	4	4	5	7	4
22	4	2	2	2	2	3	4	2	2	2	2	2	2	2	2	2	2	2	2	2	4	4	4	3	3
23	3	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	6	8	9	3
24	8	9	5	4	3	4	3	3	3	2	2	2	2	2	2	2	2	2	2	2	6	17	11	7	4
25	7	6	5	7	6	6	6	4	4	4	2	2	2	2	2	2	2	2	2	2	4	10	11	15	5
26	18	4	3	3	4	4	4	4	4	4	4	4	3	3	2	2	2	2	2	2	3	2	2	2	2
27	3	2	3	2	3	4	5	4	4	3	...	3	3	3	3	2	2	2	2	2	3	2	1	2	3
28	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	5	8	5	5	3
29	5	3	2	3	3	4	3	3	2	2	2	2	...	2	2	2	2	2	2	3	3	3	3	2	3
30	2	2	2	2	3	3	4	4	4	2	2	2	1	...	2	2	3	2	3	3	4	4	4	3	3
MEAN	5	4	3	3	3	4	4	4	3	3	3	2	3	2	2	2	2	3	3	3	4	5	5	5	3.4

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.      "- " INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44010 1298 REBECCA ST OAKVILLE

MONTH - JUL 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	3	4	4	5	3	3	2	2	2	1	1	1	1	1	2	2	2	7	17	8	7	4
2	6	4	4	3	3	2	3	1	2	2	2	1	2	2	2	1	2	2	1	1	1	1	1	1	2
3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	2	7	6	6	7	2
5	4	4	5	5	6	9	7	6	8	4	4	4	3	2	2	2	2	2	2	2	4	3	5	6	7
6	7	3	2	2	4	6	6	6	3	3	2	2	2	2	2	2	3	3	3	4	4	3	2	2	3
7	2	2	2	2	2	5	5	3	3	3	2	2	2	2	2	2	3	3	4	3	3	2	2	2	3
8	2	3	3	2	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	3	4	5	4	3
9	3	3	3	3	3	3	3	3	3	2	3	2	2	2	2	2	2	2	2	3	3	4	5	4	3
10	3	2	2	2	2	2	2	2	2	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	*****
11													-	-	-	-	-	-	-	-	-	-	-	-	-
12													-	-	-	-	-	-	-	-	-	-	-	-	-
13													-	-	-	-	-	-	-	-	-	-	-	-	-
14													-	-	-	-	-	-	-	-	-	-	-	-	-
15													-	-	-	-	-	-	-	-	-	-	-	-	-
16													-	-	-	-	-	-	-	-	-	-	-	-	-
17													-	-	-	-	-	-	-	-	-	-	-	-	-
18													-	-	-	-	-	-	-	-	-	-	-	-	-
19													-	-	-	-	-	-	-	-	-	-	-	-	-
20													-	-	-	-	-	-	-	-	-	-	-	-	-
21													-	-	-	-	-	-	-	-	-	-	-	-	-
22													-	-	-	-	-	-	-	-	-	-	-	-	-
23													-	-	-	-	-	-	-	-	-	-	-	-	-
24													-	-	-	-	-	-	-	-	-	-	-	-	-
25	8	4	2	1	1	6	8	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	2	1	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
31	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	7	10	5	2
MEAN	3	2	2	2	2	3	3	2	2	2	2	2	1	1	1	1	1	1	1	2	2	3	3	3	2.0

PERCENTAGE OF DATA VALID - 54.0

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 45.2

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2      \* - \* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 44010 1298 REBECCA ST OAKVILLE													MONTH - AUG 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	1	2	2	5	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	5	6	2
2	3	2	1	2	3	7	10	7	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
3	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	2	3	2	2	2	2	1	1	1	1	1	1	1	1	2	1	2	11	8	2
5	6	4	4	3	2	5	6	4	2	2	1	1	1	1	1	1	1	1	1	1	1	8	8	3	3
6	3	3	2	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	11	17	7	3
7	2	2	2	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	7	8	2	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
9	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	2	10	15	9	2
11	2	3	2	1	2	6	10	9	1	1	1	0	1	1	1	1	1	1	1	1	2	7	10	3	3
12	3	3	2	3	1	1	2	1	1	1	0	0	1	1	1	1	1	1	1	1	1	3	7	9	2
13	4	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	1	1
14	2	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	7	6	5	2
15	8	2	6	2	3	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	2
16	6	1	3	5	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	1	1
17	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	12	8	6	2
18	5	3	2	1	2	5	8	7	2	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	3
19	4	3	3	1	1	1	1	1	1	1	1	1	0	1	1	1	0	0	1	0	1	1	1	1	1
20	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	2	3	6	4	2	1
21	1	1	1	1	1	2	4	4	3	1	1	1	0	0	0	0	0	0	0	1	4	13	11	8	2
22	5	4	4	3	4	8	10	7	3	1	1	0	0	0	0	0	1	1	1	1	4	8	1	1	3
23	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1
25	0	1	1	0	0	1	2	3	4	4	2	0	0	0	0	1	1	1	1	0	2	12	11	4	2
26	6	2	1	1	0	1	2	2	1	1	1	1	0	0	0	1	1	1	1	1	7	4	1	1	2
27	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	1
28	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
29	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	3	7	6	5	4	2
30	2	1	1	2	3	4	14	28	12	9	4	1	1	1	1	1	1	1	1	3	3	1	1	1	4
31	1	1	1	1	0	1	5	6	6	5	2	1	0	1	1	1	1	1	1	6	15	19	10	5	4
MEAN	3	2	2	1	1	2	3	3	2	2	1	1	1	1	1	1	1	1	1	1	2	5	5	4	1.8

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION													
STATION - C NO 44010 1298 REBECCA ST OAKVILLE													MONTH - SEP 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	4	3	1	1	1	4	6	4	2	2	1	1	1	1	1	1	1	1	1	1	1	6	6	4	2	
2	7	9	12	12	8	8	10	5	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	
3	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	1	
5	1	1	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6	0	0	0	0	0	0	1	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	
7	0	1	1	1	1	1	3	1	1	1	1	1	0	0	0	1	1	1	1	1	0	0	0	0	1	
8	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	5	13	8	5	7	4	4	2	
9	5	5	1	1	1	1	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	
10	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	13	15	7	2	2	
11	2	2	2	2	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
12	1	1	0	0	1	1	2	5	4	3	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	
13	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
15	1	1	1	1	1	4	2	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	
16	0	0	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	6	5	3	1	
17	3	2	1	1	2	3	4	5	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	2	
18	1	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	1	1	1	1	3	3	2	1	1	
19	1	1	1	1	1	2	3	3	3	3	2	2	1	1	1	1	1	1	1	1	2	2	2	8	2	
20	6	3	2	1	2	8	17	12	3	1	1	1	1	1	1	1	1	1	1	1	1	4	4	3	3	
21	3	10	8	2	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	
22	1	1	1	1	1	2	4	5	6	5	2	1	1	1	1	1	1	1	1	7	8	6	5	4	3	
23	3	2	2	2	2	2	4	4	4	3	1	1	1	1	0	0	0	1	1	6	12	16	15	4	4	
24	12	5	3	3	3	3	2	2	1	1	1	1	1	1	1	1	1	1	1	3	10	3	1	1	3	
25	1	0	0	0	1	2	3	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	3	1	1	
26	2	2	1	1	2	7	13	10	6	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	
27	4	1	1	1	1	3	3	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	
28	1	1	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	2	9	11	7	7	10	10	3	
29	8	6	6	4	6	10	21	21	13	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	7	5
30	8	6	7	5	6	7	9	10	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
MEAN	3	2	2	2	2	3	4	4	2	1	1	1	1	1	1	1	1	1	1	2	2	3	3	3	1.9	

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

		POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
		STATION - C NO 44010 1298 REBECCA ST OAKVILLE												MONTH - OCT 78													
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	0	0	0	3	
2	2	0	0	0	0	2	6	6	5	1	2	3	***	1	1	1	1	1	1	1	12	15	12	9	3		
3	3	5	5	5	7	8	14	***	***	***	***	***	***	***	***	2	2	2	2	2	2	3	5	7	5	***	
4	4	***	***	***	***	***	***	***	***	***	***	***	***	***	***	2	2	2	2	2	2	3	5	7	5	***	
5	5	3	3	3	2	3	8	16	32	9	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	
6	6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
7	7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
8	8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	10	12	10	3	
9	9	5	4	3	2	2	2	3	4	3	3	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2	
10	10	1	1	1	1	1	1	3	3	2	2	2	1	1	1	1	1	1	1	1	1	3	5	9	8	2	
11	11	12	15	13	9	8	16	37	48	34	5	2	1	***	1	1	1	1	1	1	3	5	5	2	1	1	10
12	12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
13	13	1	1	1	1	1	3	7	6	5	2	1	1	1	1	1	1	1	1	2	2	1	1	1	1	2	
14	14	0	0	0	0	0	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	3	2	1	
15	15	2	2	2	1	1	1	2	3	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	5	2	
16	16	5	4	2	2	2	2	3	8	6	2	1	1	1	2	2	2	2	2	2	6	9	7	8	7	5	
17	17	3	3	3	3	3	6	9	9	8	5	2	2	2	2	2	2	2	2	2	3	4	4	3	3	5	
18	18	4	6	9	7	7	5	16	12	4	5	3	2	2	2	2	2	2	2	3	4	4	4	3	3	5	
19	19	3	3	3	3	3	8	16	17	11	5	4	4	***	2	1	1	1	1	3	5	4	3	1	1	0	
20	20	1	1	0	1	1	1	10	14	5	2	2	2	1	1	1	1	1	1	3	1	2	1	1	2	3	
21	21	2	1	1	1	1	2	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
22	22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
23	23	1	1	0	1	1	1	1	1	2	1	2	2	***	1	1	1	1	1	1	1	2	8	8	4	2	
24	24	3	1	1	1	1	2	15	17	9	2	1	1	***	1	1	1	1	1	1	1	1	12	11	2	4	
25	25	1	1	1	1	1	1	1	2	3	2	2	2	1	1	1	1	1	1	2	2	1	1	1	1	0	
26	26	1	1	1	1	1	1	1	2	2	2	3	2	2	1	1	2	2	2	2	3	4	3	3	3	2	
27	27	1	1	1	1	1	2	3	5	2	2	2	1	1	1	1	1	1	1	2	2	2	1	1	1	1	
28	28	1	1	1	1	1	1	2	3	3	2	1	1	1	1	1	1	1	1	1	2	2	1	1	2	1	
29	29	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	7	1	1	1	
30	30	1	1	1	1	1	1	6	22	22	3	1	1	1	1	1	1	1	1	5	29	32	36	33	6	1	9
31	31	1	1	1	1	1	1	2	4	4	3	2	2	1	2	2	1	1	2	2	2	1	1	2	2	2	
MEAN		2	2	2	2	2	3	6	8	5	2	2	2	1	1	1	1	1	2	3	3	4	5	4	3	2.9	

PERCENTAGE OF DATA VALID - 95.0 PERCENTAGE OF DATA INVALID - 5.0 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION												
		STATION - C NO 44010 1298 REBECCA ST OAKVILLE												MONTH - NOV 78												
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	2	1	1	1	1	1	2	5	11	3	2	1	1	1	1	1	1	1	8	16	8	8	7	3	4
2	2	2	2	1	1	1	1	1	2	2	3	2	2	1	2	1	1	1	5	14	14	5	13	9	10	4
3	3	11	11	14	9	7	5	9	15	16	8	4	3	3	3	2	1	1	1	4	10	7	5	2	2	6
4	4	3	4	4	11	9	6	7	11	7	4	2	1	1	1	1	1	1	1	7	11	3	2	1	3	4
5	5	3	7	10	9	6	4	4	6	4	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	4	2	1	1	1	1	1
7	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	8	1	1	1	1	1	1	3	5	6	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	2
9	9	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2	2	1	1	2	1
10	10	3	2	2	2	2	2	2	4	7	5	2	1	***	1	1	1	1	1	1	1	1	1	2	1	2
11	11	1	3	4	3	2	2	2	3	4	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2
12	12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	13	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	14	1	1	1	1	1	1	1	1	2	2	1	1	1	***	1	1	1	1	1	1	1	1	1	1	1
15	15	1	0	0	0	1	1	1	1	1	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	2
16	16	5	4	3	2	2	2	3	5	6	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	17	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	18	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	3	3	4	3	2	1
19	19	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	3	3	2	1	1
20	20	3	2	1	0	0	0	0	0	0	0	0	0	0	0	1	2	2	3	3	3	2	2	1	1	1
21	21	0	0	0	0	0	0	1	2	3	5	5	3	2	1	0	0	0	0	0	0	0	0	0	0	1
22	22	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0
23	23	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	2	2	2	2	2	2	1	1	1
24	24	1	1	1	0	0	0	1	2	2	2	2	2	1	***	1	1	1	2	1	2	1	0	0	0	1
25	25	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	1	2	3	4	3	0	1
26	26	0	0	0	0	0	0	0	0	0	0	0	0	0	***	15	4	5	7	7	21	11	4	3	2	4
27	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	1	1	1	1	1	2
28	28	1	1	1	1	1	1	1	4	6	5	2	2	3	1	1	1	2	1	1	1	1	1	1	1	2
29	29	1	1	0	0	0	0	0	1	3	3	2	1	***	***	2	2	2	2	2	3	3	1	2	2	2
30	30	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	2	3	3	2	2	2	2	2
MEAN		2	2	2	2	1	1	2	3	3	2	2	1	1	2	1	1	1	2	3	5	3	3	2	2	1.9

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - C NO 44010 1298 REBECCA ST OAKVILLE												MONTH - DEC 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	0	0	0	0	1	2	2	****	****	-	-	-	-	-	-	-	-	-	-	-	-	-	*****
2												-	-	-	-	-	-	-	-	-	-	-	-	-	-
3												-	-	-	-	-	-	-	-	-	-	-	-	-	-
4												-	-	-	-	-	-	-	-	-	-	-	-	-	-
5												-	-	-	-	-	-	-	-	-	-	-	-	-	-
6												-	-	-	-	-	-	-	-	-	-	-	-	-	-
7												-	-	-	-	-	-	-	-	-	-	-	-	-	-
8												-	-	-	-	-	-	-	-	-	-	-	-	-	-
9												-	-	-	-	-	-	-	-	-	-	-	-	-	-
10												-	-	-	-	-	-	-	-	-	-	-	-	-	-
11												-	-	-	-	-	-	-	-	-	-	-	-	-	-
12												-	-	-	-	-	-	-	-	-	-	-	-	-	-
13												-	-	-	-	-	-	-	-	-	-	-	-	-	-
14												-	-	-	-	-	-	-	-	-	-	-	-	-	-
15												-	-	-	-	-	-	-	-	-	-	-	-	-	-
16												-	-	-	-	-	-	-	-	-	-	-	-	-	-
17												-	-	-	-	-	-	-	-	-	-	-	-	-	-
18												-	-	-	-	-	-	-	-	-	-	-	-	-	-
19												-	-	-	-	-	-	-	-	-	-	-	-	-	-
20												-	-	-	-	-	-	-	-	-	-	-	-	-	-
21												-	-	-	-	-	-	-	-	-	-	-	-	-	-
22												-	-	-	-	-	-	-	-	-	-	-	-	-	-
23												-	-	-	-	-	-	-	-	-	-	-	-	-	-
24												-	-	-	-	-	-	-	-	-	-	-	-	-	-
25												-	-	-	-	-	-	-	-	-	-	-	-	-	-
26												-	-	-	-	-	-	-	-	-	-	-	-	-	-
27												-	-	-	-	-	-	-	-	-	-	-	-	-	-
28												-	-	-	-	-	-	-	-	-	-	-	-	-	-
29												-	-	-	-	-	-	-	-	-	-	-	-	-	-
30												-	-	-	-	-	-	-	-	-	-	-	-	-	-
31												-	-	-	-	-	-	-	-	-	-	-	-	-	-
MEAN	1	1	0	0	0	0	1	2	2	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	0.8

PERCENTAGE OF DATA VALID - 1.2 PERCENTAGE OF DATA INVALID - 0.3 PERCENTAGE OF DATA UNAVAILABLE - 98.5

- NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. "-" INDICATES DATA IS UNAVAILABLE  
 3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT				UNITS - 0.01 PARTS/MILLION	
STATION - C NO 44010 1298 REBECCA ST OAKVILLE					
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING	
JAN	31	3.3	9	32	
FEB	28	2.7	10	38	
MAR	20	3.4	10	23	
APR	28	3.2	7	22	
MAY	31	4.2	9	27	
JUN	30	3.4	6	21	
JUL	16	2.0	4	17	
AUG	31	1.8	4	28	
SEP	30	1.9	5	21	
OCT	29	2.9	10	48	
NOV	30	1.9	6	21	
DEC	0	0.8	****	2	
YEAR	304	2.8	10	48	



## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44010 1298 REBECCA ST OAKVILLE

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	592	100	32	9	1	0	0	734
FEB	593	42	24	2	3	0	0	664
MAR	409	55	27	5	0	0	0	496
APR	608	54	27	1	0	0	0	690
MAY	581	114	38	4	0	0	0	737
JUN	631	65	14	1	0	0	0	711
JUL	377	24	1	0	0	0	0	402
AUG	678	47	13	1	0	0	0	739
SEP	652	44	14	2	0	0	0	712
OCT	633	40	24	3	6	1	0	707
NOV	656	31	19	2	0	0	0	708
DEC	9	0	0	0	0	0	0	9
YEAR	6419	616	233	30	10	1	0	7309

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
83.4	0	0.0	0.6	1.3	2.3	5.8	8.5	13.2	16.3	48	2.8

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA

MONTH - JAN 78

STATION	C	NO	46110	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN			
1	5	6	6	4	4	3	3	3	2	2	3	3	4	5	5	5	4	4	3	2	2	2	2	2	2	2	4	
2	2	2	2	2	1	1	2	2	3	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	2	
3	3	3	3	3	3	3	3	4	5	3	3	3	3	4	3	3	4	3	5	9	13	8	5	6	5	4	5	
4	2	2	2	3	3	3	6	11	23	8	5	7	5	4	4	5	5	5	5	6	5	4	4	4	5	5	9	
5	4	3	2	2	3	4	6	18	16	13	12	7	5	6	4	5	6	6	8	3	3	6	11	6	3	4	5	
6	5	3	3	2	3	3	3	4	7	5	5	6	4	5	6	6	8	3	3	6	11	6	3	4	5	5	10	
7	3	4	4	4	3	3	4	5	7	10	12	13	14	14	15	14	16	15	17	17	15	11	11	12	10	12	7	
8	13	14	8	3	3	2	3	3	3	4	4	2	2	2	2	2	3	4	4	3	2	2	2	2	2	2	2	
9	2	1	1	1	1	1	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
10	2	2	2	2	2	2	2	5	6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
11	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	3	4	4	4	4	4	3	
12	3	2	2	2	2	2	2	5	8	6	....	....	5	4	5	5	7	10	11	10	13	9	9	10	6	6	6	
13	10	9	9	10	10	11	13	5	5	5	13	11	10	10	9	9	10	9	8	7	6	4	3	3	3	3	8	
14	3	2	2	2	1	2	2	2	3	3	4	3	3	3	3	3	3	3	3	4	3	2	2	2	2	2	2	
15	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	4	4	2	2	3	3	2	2	2	2	
16	2	2	2	2	2	2	2	5	5	4	4	4	3	3	3	3	4	5	6	5	6	5	9	10	20	5	5	
17	16	10	9	5	5	5	7	11	12	16	19	15	12	11	8	9	11	9	7	6	4	3	3	3	3	3	3	
18	3	2	2	2	2	3	3	5	6	5	4	4	4	4	4	4	6	7	11	12	8	6	8	8	8	8	5	
19	5	7	7	6	4	5	7	17	....	....	....	....	11	9	8	6	9	13	16	18	16	10	6	6	6	6	9	
20	3	2	1	1	1	1	2	5	6	5	4	4	4	3	4	4	4	4	4	4	4	4	3	2	2	2	3	
21	2	1	2	1	1	1	1	2	2	3	3	3	3	3	4	5	7	6	10	23	35	25	12	6	6	6	7	
22	5	5	6	6	5	3	4	4	8	3	3	2	3	3	4	4	4	4	6	4	3	3	2	2	2	2	4	
23	2	2	2	2	2	2	4	4	5	5	3	3	3	3	3	3	3	3	3	3	8	6	7	3	5	16	4	
24	15	4	3	3	3	3	3	8	13	7	6	5	4	6	10	8	5	8	6	7	5	5	6	8	8	8	6	
25	9	9	11	13	9	9	9	17	24	24	22	20	21	20	18	20	22	17	11	5	5	3	2	1	1	1	13	
26	1	1	2	2	2	1	2	4	3	2	2	2	2	2	2	2	4	4	4	4	4	4	4	3	3	3	3	
27	1	1	1	1	1	1	1	2	2	4	6	5	4	3	4	4	4	4	4	4	4	5	5	3	3	3	4	
28	3	3	2	2	2	2	2	3	3	3	4	4	4	4	3	4	3	3	3	3	3	4	3	4	4	4	3	
29	3	3	3	2	2	3	4	12	18	18	10	5	....	3	3	3	3	5	8	6	5	6	4	3	3	3	6	
30	3	3	2	2	3	3	4	12	18	18	10	5	....	3	3	3	3	5	8	6	5	6	4	3	3	3	6	
31	3	2	2	2	2	3	4	6	8	4	4	5	4	4	4	5	5	6	6	5	4	3	3	2	2	2	4	
MEAN	4	4	3	3	3	3	4	6	7	6	6	5	5	5	5	6	7	7	7	7	6	5	4	5	5	5	5.2	

PERCENTAGE OF DATA VALID - 98.7

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. .... INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ... INDICATES DATA IS UNAVAILABLE

3. .... INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA															MONTH - FEB 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	3	3	4	5	4	4	3	3	3	3	3	4	4	5	4	4	5	5	4	3
2	4	4	4	4	4	4	7	14	16	11	6	6	4	4	4	4	8	13	12	15	7	6	7	6	7
3	3	3	4	3	3	4	9	22	22	15	9	9	5	5	4	6	10	10	12	14	14	12	10	10	9
4	9	8	7	6	6	6	6	7	8	8	8	9	10	11	11	11	12	16	21	19	21	19	20	21	12
5	18	15	13	11	10	10	9	5	5	8	7	6	7	7	6	7	7	7	6	6	6	6	6	6	8
6	4	4	4	4	4	4	5	10	10	9	7	6	5	5	5	5	7	6	5	5	4	4	4	3	5
7	3	3	3	3	3	3	3	5	6	5	4	4	4	5	4	5	6	6	5	5	5	5	4	4	4
8	4	4	3	3	3	3	4	8	10	8	6	6	5	5	5	6	7	10	13	17	9	7	5	4	6
9	3	3	2	2	3	3	3	9	12	7	5	7	7	5	6	6	6	9	9	8	8	8	4	4	6
10	4	3	2	2	2	2	4	12	16	7	9	7	6	3	3	3	5	4	5	4	3	3	3	4	5
11	4	4	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	2	2	3
12	3	2	2	2	1	1	1	1	1	2	2	2	2	2	2	3	2	3	2	2	2	3	2	2	2
13	2	3	3	2	2	2	4	7	8	6	5	5	5	4	4	4	5	7	9	11	6	5	4	4	5
14	5	5	3	3	3	2	3	8	9	7	5	5	4	4	3	4	5	10	20	21	23	16	9	5	8
15	3	3	3	3	3	4	10	7	11	7	3	5	4	2	2	4	5	9	9	11	11	8	8	8	6
16	7	7	8	6	4	3	3	9	4	4	3	3	5	5	2	2	2	4	4	3	4	4	4	3	4
17	3	3	3	2	2	2	4	7	8	5	3	3	3	3	3	3	4	5	5	8	5	10	9	5	5
18	5	5	5	3	3	4	3	4	4	5	3	3	3	3	3	3	4	6	5	4	4	4	6	7	4
19	6	5	3	3	3	3	4	3	2	3	3	2	2	2	3	3	2	3	4	5	5	4	6	9	4
20	6	4	5	6	5	6	13	21	19	19	14	4	3	3	2	3	4	4	7	8	9	11	7	6	8
21	3	3	3	2	2	2	4	13	14	14	10	5	3	3	3	4	5	6	6	7	5	4	4	3	5
22	2	2	2	2	2	2	3	8	10	4	3	2	2	2	2	2	3	3	3	5	4	4	4	3	3
23	2	2	2	2	2	2	3	5	9	7	5	5	3	2	2	3	3	5	5	6	4	4	4	3	4
24	4	3	2	2	2	1	2	4	4	3	2	2	2	2	2	3	4	4	4	3	3	2	2	3	3
25	2	3	4	6	2	3	4	3	3	3	7	6	6	4	5	4	5	8	6	5	3	2	2	4	4
26	3	3	3	1	1	1	1	1	2	2	1	2	2	2	2	2	2	4	5	7	7	3	2	3	3
27	2	2	2	1	1	1	3	6	7	3	2	3	3	2	2	3	4	5	6	8	7	6	4	4	4
28	3	3	3	3	3	3	5	11	16	11	4	2	2	2	2	3	5	7	8	26	22	18	15	10	8
MEAN	4	4	4	3	3	3	4	8	9	7	5	5	4	4	3	4	5	6	7	8	8	7	6	5	5.3

PERCENTAGE OF DATA VALID - 99.6 PERCENTAGE OF DATA INVALID - 0.4 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA															MONTH - MAR 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	14	9	3	2	2	2	3	7	9	6	4	3	3	3	3	3	3	6	7	13	6	2	3	4	
2	3	2	2	2	1	1	2	5	6	5	3	3	2	2	2	3	4	4	5	8	6	5	7	9	
3	7	8	5	7	6	9	12	4	3	2	2	2	4	5	6	5	6	5	5	4	4	3	4	3	
4	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	4	3	3	4	6	
5	6	3	3	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	3	3	3	3	3	
6	3	3	2	2	4	4	9	20	14	7	5	5	4	2	3	3	4	5	8	15	11	7	5	4	
7	2	2	2	2	2	3	5	10	11	7	5	4	3	3	2	3	4	6	6	6	5	4	3	4	
8	2	2	3	2	3	3	5	13	20	20	16	2	3	4	3	4	4	3	4	13	29	23	18	14	
9	9	11	8	7	7	3	7	16	17	12	8	7	2	2	3	3	3	3	4	6	3	4	6	15	
10	8	3	3	3	3	3	5	10	14	8	4	4	5	4	4	3	3	3	13	19	15	17	17	8	
11	8	13	12	7	3	4	8	11	6	4	3	3	3	3	3	3	3	5	3	2	4	4	4	5	
12	4	4	3	3	3	3	3	3	3	2	2	3	3	3	3	3	3	4	7	12	13	10	10	11	
13	5	3	4	5	4	7	13	33	34	24	7	4	4	3	3	3	3	3	5	3	3	3	3	3	
14	2	3	2	2	2	2	3	4	6	10	4	3	3	3	3	3	3	3	3	2	2	3	2	2	
15	2	1	1	1	1	1	2	3	4	3	3	3	3	3	3	3	3	3	3	2	2	3	2	2	
16	3	3	2	1	2	2	3	8	12	15	5	3	3	2	2	2	4	4	4	4	3	3	3	3	
17	2	2	1	1	2	2	2	3	2	3	3	3	3	2	2	2	4	5	2	4	4	3	2	2	
18	3	2	2	2	2	2	2	2	3	2	3	2	2	2	2	2	2	2	3	4	5	5	4	3	
19	1	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	
20	2	2	1	1	1	2	7	15	13	1	2	2	2	2	1	2	2	2	2	2	2	2	2	3	
21	8	10	9	11	10	10	14	29	37	49	15	17	10	9	7	4	5	5	4	4	3	4	2	2	
22	2	2	1	1	2	2	2	4	3	2	2	3	2	2	3	3	6	8	6	6	5	5	3	3	
23	2	2	2	2	3	4	12	8	3	2	2	2	2	2	3	3	3	4	5	5	6	6	3	1	
24	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	3	3	4	4	3	3	4	4	
25	4	3	3	3	3	3	4	7	3	3	2	2	1	1	2	3	2	1	2	2	2	2	1	1	
26	1	1	2	2	2	3	3	3	3	4	3	3	2	2	2	2	2	2	2	2	2	2	2	1	
27	2	2	2	2	2	2	3	5	5	4	4	4	3	3	3	4	5	5	6	7	10	5	3	2	
28	2	1	1	2	2	2	3	3	2	2	2	2	2	2	2	2	4	5	5	6	7	6	6	9	
29	9	2	2	1	1	1	3	3	2	2	1	2	2	2	2	2	3	3	3	5	5	3	3	2	
30	1	1	1	1	1	1	3	4	5	3	2	2	2	2	2	2	3	3	4	4	4	3	3	2	
31	2	2	2	2	3	4	15	38	13	4	2	2	3	4	4	4	3	3	3	2	2	2	2	2	
MEAN	4	3	3	3	3	3	5	9	8	7	4	3	3	3	3	3	3	4	4	6	6	5	5	4	

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.8 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA														MONTH - JUN 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1															- DATA INVALID -										
2															- DATA INVALID -										
3															- DATA INVALID -										
4															- DATA INVALID -										
5															- DATA INVALID -										
6															- DATA INVALID -										
7															- DATA INVALID -										
8															- DATA INVALID -										
9															- DATA INVALID -										
10															- DATA INVALID -										
11															- DATA INVALID -										
12															- DATA INVALID -										
13															- DATA INVALID -										
14															- DATA INVALID -										
15															- DATA INVALID -										
16															- DATA INVALID -										
17															- DATA INVALID -										
18															- DATA INVALID -										
19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
20	3	1	1	2	2	2	5	8	3	2	2	2	1	1	1	2	2	2	2	2	2	11	6	.....	
21	12	8	5	7	9	7	.....	4	9	8	2	2	2	2	2	2	2	2	2	2	2	4	4	3	4
22	2	2	2	2	3	4	3	2	2	2	2	2	.....	1	1	1	1	1	1	1	1	0	1	2	
23	0	0	0	0	0	1	3	2	1	1	1	1	1	1	1	0	1	2	2	2	4	4	3	1	
24	2	2	2	0	1	1	2	1	1	1	1	1	0	0	0	0	0	0	0	0	3	15	11	3	
25	3	1	3	7	2	2	2	1	0	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	
26	0	0	0	1	1	1	2	2	1	1	1	1	.....	1	1	1	1	1	1	1	1	1	1	1	
27	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
28	1	1	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	2	2	2	4	4	3	1	
29	1	1	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	2	3	1	1	
30	1	1	1	1	1	2	4	5	2	1	1	1	1	1	1	1	2	1	1	1	2	1	1	1	
MEAN	2	2	2	2	2	2	3	3	2	2	1	1	1	1	1	1	1	1	1	1	2	3	4	4	1.9

PERCENTAGE OF DATA VALID - 37.6

PERCENTAGE OF DATA INVALID - 32.4

PERCENTAGE OF DATA UNAVAILABLE - 30.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION											
STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA															MONTH - JUL 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0	0	0	0	1	1	3	3	1	1	1	0	0	0	0	1	0	0	0	0	4	14	6	7	2	
2	3	2	2	1	1	1	2	1	1	1	1	0	0	0	0	0	0	0	1	0	0	0	1	1	1	
3	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	5	7	4	4	2	
5	2	2	1	1	1	4	9	9	1	1	1	1	1	1	1	1	1	1	1	1	1	2	7	11	3	
6	2	1	1	1	1	2	4	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	
11	0	0	0	0	0	1	4	3	1	0	1	1	0	0	1	1	1	0	****	****	****	****	****	****	1	
12	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	0	0	0	0	0	0	0	1	3	5	****
13	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	5	1	1	
15	1	2	1	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	
16	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	0	1	0	1	1	1	1	1	0	0	
17	0	0	0	0	0	1	4	3	1	1	1	1	0	0	0	0	0	0	1	1	4	5	2	1	1	
18	0	1	0	2	1	3	7	6	2	1	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	
19	4	4	0	0	2	8	13	13	10	5	0	0	0	0	0	0	0	0	0	0	0	1	5	12	3	
20	15	3	1	3	5	8	6	2	1	1	1	****	****	****	1	1	1	1	1	1	1	1	1	1	3	
21	1	1	1	1	1	2	2	4	4	3	2	1	1	1	1	1	1	1	1	1	3	6	2	2	2	
22	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	
24	1	1	1	1	1	2	7	9	5	0	0	0	0	0	0	1	1	1	1	1	2	4	4	6	2	
25	6	5	5	8	7	8	12	14	4	2	0	****	****	****	0	0	0	0	0	0	0	1	2	0	3	
26	1	0	0	0	2	7	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	
27	1	1	1	1	1	1	2	2	1	1	1	1	1	1	****	1	1	1	2	1	2	3	1	1	1	
28	-	-	-	-	-	-	****	2	2	2	1	1	1	1	1	1	1	1	0	0	1	6	2	2	2	
29	1	5	6	4	4	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	2	
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	5	6	10	9	1	
31	9	3	0	3	5	6	2	2	2	2	7	1	0	****	0	0	0	0	0	0	3	3	6	2	2	
MEAN	2	1	1	1	1	2	3	3	2	1	1	1	0	0	0	0	0	0	1	1	1	2	3	2	1.3	

PERCENTAGE OF DATA VALID - 95.2

PERCENTAGE OF DATA INVALID - 3.9

PERCENTAGE OF DATA UNAVAILABLE - 0.9

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION										
		STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA														MONTH - AUG 78										
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		4	2	1	1	3	4	5	11	3	1	1	1	1	1	0	0	0	0	0	1	3	6	10	12	3
2		4	1	1	1	1	2	6	6	3	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1
3		1	1	1	1	1	1	2	4	2	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
4		0	0	0	0	0	1	5	5	3	2	1	1	0	0	0	0	2	1	1	2	5	3	9	6	2
5		0	0	0	2	1	2	4	7	3	3	2	1	0	0	0	0	0	0	0	0	1	1	2	2	2
6		3	4	2	1	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	2	12	10	8	2
7		7	4	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	2	1	7	5	1
8		3	2	1	0	1	1	3	4	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9		1	1	1	1	1	1	1	2	2	3	2	3	3	2	2	4	3	2	2	2	2	2	1	1	2
10		1	1	0	0	0	2	7	5	2	4	4	1	1	1	1	0	0	0	0	3	6	12	20	14	4
11		4	1	2	2	2	5	11	17	10	1	1	0	3	1	1	1	1	1	1	1	4	10	11	6	4
12		4	3	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	2	3	6	3	1	2
13		1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	4	2	1
14		2	1	1	1	1	2	4	4	2	1	1	1	1	0	0	0	1	1	1	1	2	4	6	4	2
15		15	5	4	4	2	2	5	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16		4	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	4	5	6	9	2
17		1	1	1	1	1	1	3	3	2	2	2	1	0	0	0	0	0	0	0	1	2	1	1	1	2
18		7	4	4	2	1	5	11	11	4	1	0	0	0	0	0	0	0	0	1	2	1	1	1	1	1
19		1	0	0	0	1	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1
20		2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	3	4	2	2	1	1
21		1	0	0	0	1	3	8	8	4	5	2	1	0	0	0	0	0	0	0	2	8	11	8	7	3
22		7	5	4	3	3	8	17	15	11	1	0	0	0	0	0	0	0	0	0	2	12	10	4	4	4
23		0	0	0	0	0	2	11	9	10	0	0	0	0	0	0	0	0	0	0	3	6	3	1	0	2
24		0	0	0	0	0	1	5	2	2	2	1	1	1	2	1	1	1	1	1	2	2	2	3	2	1
25		1	1	1	1	1	2	6	10	8	6	4	2	1	0	1	1	1	2	5	6	8	7	2	1	3
26		1	1	1	1	1	1	2	2	2	1	1	1	0	0	0	1	1	1	1	2	3	3	3	2	1
27		2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1
28		0	0	0	0	0	2	2	2	1	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1
29		2	2	2	1	2	2	2	8	3	2	2	2	2	2	2	2	2	1	2	5	6	6	5	3	3
30		2	3	2	1	1	2	13	15	6	2	1	1	1	1	1	1	1	1	2	3	13	3	2	1	1
31		1	1	0	0	0	2	8	9	9	8	3	1	1	1	1	1	1	1	1	9	13	14	8	12	4
MEAN		3	2	1	1	1	2	5	6	3	2	1	1	1	1	1	1	1	1	1	2	4	4	4	4	2.1

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION										
		STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA														MONTH - SEP 78										
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		3	2	1	1	1	2	6	6	4	2	1	1	1	1	1	1	1	1	1	1	5	7	4	2	2
2		1	1	3	6	6	5	8	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	2
3		0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
4		0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	1	2	1	1	2	1	1	1
5		1	5	2	1	2	5	6	5	3	2	2	1	0	0	1	1	1	1	1	1	2	4	6	5	3
6		1	1	1	1	6	7	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
7		1	1	1	1	1	2	4	5	3	3	2	2	1	1	1	3	3	1	1	1	0	1	1	1	2
8		1	1	1	1	1	1	2	1	1	5	4	1	1	1	1	1	2	4	7	8	7	4	2	0	1
9		2	1	1	1	1	1	2	1	2	2	1	1	0	0	0	0	0	0	1	4	6	1	0	0	1
10		0	0	0	0	0	0	0	1	1	2	2	0	1	0	0	0	0	0	0	2	4	8	11	11	2
11		5	3	4	4	4	8	18	23	8	12	1	0	0	0	0	0	0	0	0	1	1	0	0	0	4
12		0	0	0	0	0	1	5	4	3	2	1	1	2	5	11	9	3	2	2	3	4	2	3	1	3
13		0	0	0	0	0	6	13	11	2	1	1	3	2	2	3	3	2	1	1	2	2	1	0	0	2
14		0	0	0	0	0	1	2	2	2	1	1	1	0	0	1	1	1	0	0	0	0	1	1	1	1
15		1	1	1	0	1	0	6	3	2	1	1	1	6	61	94	95	69	67	29	9	5	4	4	3	19
16		2	2	1	1	1	1	4	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	3	5	2
17		4	3	2	2	1	2	5	5	6	4	2	2	1	2	2	1	1	1	1	2	3	3	3	2	3
18		2	1	0	1	1	1	1	1	3	1	1	1	0	0	0	0	0	0	1	3	6	15	15	11	6
19		7	7	7	6	7	11	28	43	36	27	27	24	18	0	0	3	2	1	1	3	6	5	9	17	13
20		9	6	5	2	3	5	13	19	12	4	2	2	2	2	2	2	2	2	1	2	2	4	8	9	5
21		12	13	7	7	13	23	30	65	14	4	4	4	3	3	3	3	3	3	3	3	2	2	2	1	9
22		1	1	1	1	1	3	7	9	7	6	3	2	2	2	2	2	2	1	2	7	13	10	5	4	4
23		2	2	2	2	3	3	8	6	7	4	1	1	0	0	0	0	0	0	0	1	9	10	22	17	4
24		19	17	13	10	3	1	2	1	1	0	0	0	0	0	0	0	0	0	1	3	5	1	1	0	3
25		0	0	0	0	0	0	5	5	1	0	0	0	1	1	1	1	1	2	3	4	4	4	5	3	2
26		1	2	1	1	2	6	16	27	6	2	1	1	1	1	1	1	1	1	1	1	4	5	2	4	5
27		6	1	1	1	2	6	10	3	5	2	1	1	1	2	2	1	1	1	3	3	2	1	1	1	2
28		1	1	1	1	1	2	6	6	3	1	1	1	1	1	2	3	2	3	7	13	14	9	13	11	4
29		12	6	4	3	2	7	24	37	20	15	0	0	1	1	1	1	1	1	2	1	1	1	1	1	5
30		12	23	16	15	10	12	20	24	20	4	2	2	2	1	1	3	2	2	4	3	3	2	2	2	8
MEAN		4	3	3	2	2	4	9	11	7	4	2	2	2	3	5	5	4	4	3	4	4	3	4	4	4.1

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA												MONTH - OCT 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	
2	1	1	1	1	1	3	11	14	11	3	2	2	1	1	1	0	0	1	5	17	21	21	19	12	6
3	15	18	17	18	17	5	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	2	2	2	5
4	1	1	0	0	0	2	15	18	6	3	2	1	....	....	....	1	1	3	8	19	11	5	3	3	5
5	1	1	1	5	6	4	17	31	22	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	4
6	2	2	0	0	0	1	3	3	3	1	1	3	1	1	1	2	2	2	3	2	1	1	1	1	2
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	0	1	4	3	5	4	3	1
9	5	6	6	2	1	2	3	4	1	1	0	0	0	0	0	0	0	1	1	1	1	2	1	0	2
10	0	0	0	0	0	1	5	8	2	2	1	1	1	1	0	1	1	0	....	15	2	2	2	4	2
11	7	6	1	2	2	8	29	51	15	6	3	2	1	1	1	1	4	7	3	1	2	8	4	0	7
12	0	0	0	0	0	1	2	2	3	1	1	1	1	1	1	2	1	4	....	1	1	1	1	1	1
13	1	1	1	1	1	2	9	7	4	3	2	3	1	2	2	2	2	3	4	4	3	3	2	1	3
14	1	1	0	0	0	0	1	1	2	2	2	3	2	2	2	1	2	1	1	2	0	0	2	2	1
15	1	1	1	1	1	1	2	3	2	0	1	0	1	1	1	1	1	2	6	8	11	15	15	12	4
16	7	2	1	1	1	5	14	14	9	4	2	1	2	3	4	3	2	3	12	18	16	17	15	6	7
17	5	3	2	2	2	4	11	19	20	9	2	1	1	1	1	1	1	2	6	9	16	13	9	4	6
18	4	1	2	3	4	15	15	7	4	3	2	2	3	1	3	3	5	5	4	3	4	5	3	3	4
19	3	1	1	1	0	7	8	16	13	6	3	2	2	2	4	5	5	6	8	9	8	1	1	1	5
20	0	0	0	0	1	3	11	13	8	5	1	1	1	1	1	1	1	1	1	2	13	4	2	2	3
21	1	1	1	1	1	3	3	28	27	8	1	1	1	1	1	1	0	0	0	1	1	1	1	1	4
22	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	3	5	3	3	2	2	....	1	1	1	2	2	2	1	4	6	6	9	3
24	5	3	4	5	4	4	15	21	13	2	1	1	1	1	1	1	1	1	1	1	6	11	23	5	
25	12	9	1	1	1	5	10	10	9	3	3	2	2	1	1	1	2	2	1	1	1	1	1	1	3
26	1	1	1	1	1	2	2	4	3	4	5	3	2	3	3	4	6	4	4	5	5	4	2	2	3
27	1	1	1	1	1	1	5	8	3	2	1	2	1	1	1	2	....	2	3	2	1	1	1	1	2
28	2	1	1	1	1	1	3	3	2	2	1	1	1	1	1	1	2	3	2	2	2	1	1	1	2
29	2	1	2	2	1	1	1	2	3	3	4	2	1	1	1	1	1	1	1	6	16	26	31	32	2
30	0	0	0	0	0	0	2	21	3	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	....
31	2	1	1	1	1	1	3	7	11	5	3	2	2	1	2	3	3	4	3	2	3	2	2	2	3
MEAN	3	2	2	2	2	3	7	11	7	3	2	1	1	1	1	2	2	2	3	5	5	5	5	3	3.3

PERCENTAGE OF DATA VALID - 97.3

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA															MONTH - NOV 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	1	1	1	1	4	16	21	19	6	1	1	1	1	0	2	7	....	35	40	20	6	9	9
2	5	2	1	1	4	1	4	6	8	3	2	....	1	1	1	2	3	6	11	9	5	5	6	21	5
3	21	15	17	11	6	7	13	34	40	23	9	5	3	2	2	2	3	3	4	14	13	9	7	5	11
4	5	4	5	8	8	6	8	15	11	9	7	4	3	6	10	3	5	10	18	22	5	6	3	2	8
5	6	8	13	13	10	11	11	15	8	6	5	4	2	1	1	1	1	1	4	3	2	1	1	1	5
6	1	1	1	1	1	1	1	6	6	5	4	....	....	4	5	4	5	5	3	3	3	2	1	2	3
7	1	1	1	1	1	1	2	4	6	4	2	2	2	2	2	2	3	6	12	13	7	6	5	5	4
8	5	3	1	1	1	1	7	17	25	10	4	3	2	2	2	2	2	3	6	5	5	2	2	3	5
9	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	6	11	....	6	6	6	7	8	3
10	10	11	5	4	4	4	8	20	32	15	5	5	3	2	3	3	2	3	3	3	4	4	5	8	7
11	4	6	3	5	5	3	4	7	5	4	2	3	1	2	3	4	3	4	3	3	2	2	1	1	3
12	1	1	1	1	0	0	0	1	0	1	1	2	....	3	2	4	3	3	1	2	4	5	4	3	2
13	1	1	1	1	1	1	6	11	18	16	16	8	2	4	4	7	6	5	6	10	8	4	3	3	6
14	2	2	2	2	2	2	2	2	3	2	2	2	1	1	2	2	3	2	2	2	1	1	1	1	2
15	1	1	1	1	1	1	2	3	4	2	2	3	3	3	3	5	8	16	23	26	18	26	22	13	8
16	9	8	6	4	3	2	5	22	29	9	4	1	1	2	2	1	2	....	3	2	1	1	1	1	5
17	1	1	1	1	1	1	2	2	2	2	2	3	3	3	3	4	2	2	1	2	1	2	1	1	2
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	2	1
19	1	1	1	1	1	1	1	1	1	1	1	1	....	1	1	1	2	3	2	2	3	4	2	1	1
20	1	1	1	1	1	1	1	4	4	3	4	3	5	4	4	4	6	8	....	6	5	3	2	1	3
21	1	1	1	1	1	1	3	8	12	9	8	8	9	8	3	4	6	7	6	11	17	4	3	1	6
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	....	3	3	2	2	1	2	1
23	2	1	1	1	1	1	2	4	4	4	4	3	4	4	4	4	5	4	4	5	4	4	3	3	3
24	3	1	1	1	1	1	3	6	7	6	4	3	2	3	3	4	4	....	4	3	2	1	1	1	3
25	1	1	1	1	1	1	1	1	2	2	3	2	2	2	2	2	3	2	3	2	3	2	1	1	2
26	1	1	1	1	1	0	0	1	2	2	2	2	....	2	2	3	3	4	4	5	4	4	4	2	2
27	0	0	0	0	0	1	2	1	1	0	3	1	1	1	1	2	2	8	8	7	4	2	2	1	2
28	1	1	1	1	1	1	3	11	19	9	4	4	3	3	3	4	6	4	2	2	1	2	2	1	4
29	1	1	1	1	1	1	7	12	10	10	4	1	3	2	2	....	....	3	3	5	5	2	2	2	4
30	1	1	1	1	1	1	1	2	2	1	1	1	1	....	1	1	2	3	4	3	1	2	2	3	2
MEAN	3	3	2	2	2	2	4	8	10	6	4	3	2	3	3	3	4	5	5	7	6	4	3	4	4.0

PERCENTAGE OF DATA VALID - 97.9

PERCENTAGE OF DATA INVALID - 2.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA															MONTH - DEC 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	0	0	2	4	2	3	4	4	****	****	10	7	6	7	4	4	4	4	2	3	3
2	1	1	1	1	1	1	1	1	1	***	1	1	1	1	2	2	3	3	5	8	10	11	11	10	3
3	8	5	4	3	1	1	1	2	3	3	2	1	1	1	1	1	2	1	1	1	1	1	2	2	2
4	8	4	1	1	1	1	2	2	2	2	1	1	1	1	1	2	2	***	1	4	2	1	1	2	1
5	0	0	0	0	0	0	1	2	2	2	1	1	1	1	1	2	3	5	8	7	5	4	3	3	4
6	1	1	1	1	1	3	7	8	10	5	4	3	2	4	4	3	3	5	8	7	5	4	3	3	4
7	1	1	0	0	0	1	4	11	10	4	2	2	2	3	3	3	3	4	***	5	5	6	6	9	4
8	7	6	7	5	4	4	6	10	10	8	7	5	4	4	3	6	5	6	8	7	5	4	4	3	6
9	2	3	1	0	0	0	1	1	2	1	1	2	1	2	1	1	1	2	1	1	1	1	0	0	1
10	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	****	1	2	1	1	1	1	1	1
11	1	0	0	0	0	0	1	1	4	5	2	2	2	2	2	3	5	8	14	15	11	6	4	2	4
12	2	1	1	1	1	1	1	3	4	3	1	1	1	1	2	2	3	4	4	2	2	3	3	1	2
13	1	1	1	1	1	1	1	1	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	5	5	2	1	1	1	1	1	1	2	***	***	1	1	1	1	1	1
15	1	1	1	1	1	1	1	2	3	2	2	1	1	1	2	2	3	3	3	2	3	3	3	3	2
16	2	1	2	2	3	4	5	11	24	6	4	3	3	3	3	2	2	6	6	3	3	3	2	2	4
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	2	4	5	3	2	2	3	2	2	2	3	3	4	7	4	4	4	2	3
19	2	1	1	1	1	2	2	3	5	3	3	2	2	2	3	5	8	12	17	10	6	3	4	5	4
20	4	4	5	5	2	2	4	3	3	7	4	2	1	***	3	3	2	2	2	3	4	3	4	5	3
21	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	3	6	3	3	2	3	2	2	2
22	1	1	1	1	1	1	1	3	3	6	3	2	3	2	2	2	3	2	2	2	2	1	1	1	2
23	1	1	1	1	1	1	1	1	2	1	1	1	2	2	2	2	4	9	13	14	36	42	42	34	9
24	33	29	35	13	1	1	1	1	1	1	1	1	2	1	3	3	4	3	2	1	1	1	1	1	1
25	1	1	2	1	2	1	1	1	1	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	2	***	2	1	2	1	1	1	2	1	2	2	1	1	1	1	1	1
28	1	1	1	1	1	1	4	10	15	12	7	3	6	3	4	4	9	10	12	12	11	10	7	7	7
29	10	7	2	2	2	2	2	7	9	***	14	20	26	27	3	3	3	2	3	4	3	2	2	2	7
30	3	2	1	1	1	1	1	1	2	2	2	2	2	2	3	5	9	10	11	7	8	9	13	14	5
31	15	12	13	9	10	10	10	11	9	6	11	15	5	4	5	5	4	3	4	3	4	3	3	3	7
MEAN	4	3	3	2	1	1	2	4	5	3	3	3	3	3	2	3	3	4	5	4	5	4	5	4	3.3

PERCENTAGE OF DATA VALID - 98.5 PERCENTAGE OF DATA INVALID - 1.5 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT					UNITS - 0.01 PARTS/MILLION				
STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA									
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING					
JAN	31	5.2	13	35					
FEB	28	5.3	12	26					
MAR	31	4.3	12	49					
APR	15	2.0	3	17					
MAY	21	2.2	7	28					
JUN	11	1.9	4	20					
JUL	30	1.3	3	15					
AUG	31	2.1	4	20					
SEP	30	4.1	19	95					
OCT	30	3.3	7	51					
NOV	30	4.0	11	40					
DEC	31	3.3	9	42					
YEAR	319	3.4	19	95					

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 46110	QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA								
MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL	
JAN	529	124	72	8	1	0	0	734	
FEB	461	151	47	10	0	0	0	669	
MAR	602	82	45	4	4	1	0	738	
APR	356	22	4	0	0	0	0	382	
MAY	483	27	13	2	0	0	0	525	
JUN	256	9	6	0	0	0	0	271	
JUL	669	31	8	0	0	0	0	708	
AUG	667	51	24	0	0	0	0	742	
SEP	580	65	41	14	2	1	6	709	
OCT	618	45	47	10	3	0	1	724	
NOV	566	84	38	12	5	0	0	705	
DEC	627	66	30	4	4	2	0	733	
YEAR	6414	757	375	64	19	4	7	7640	

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
87.2	0	0.0	0.6	1.5	2.9	7.3	11.1	16.8	21.4	95	3.4

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 51001					MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA										MONTH - APR			78							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
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22																									
23																									
24																									
25																									
26																									
27																									
28																									
29																									
30																									
MEAN																									

PERCENTAGE OF DATA VALID - 81.4

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 38.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA															MONTH - MAY 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	1	0	0	0	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0
3	0	0	0	0	0	0	1	0	1	0	0	0	1	1	1	1	1	1	1	0	1	1	1	1	1
4	0	0	0	0	0	0	1	1	0	1	1	1	0	1	1	2	1	1	1	1	1	1	1	1	1
5	0	0	0	0	0	0	1	2	1	1	.....	1	1	1	1	2	1	1	1	1	3	1	1	1	1
6	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	2	1	5	12	12	2
8	8	5	6	2	1	2	8	7	4	1	1	1	1	1	2	1	2	1	1	1	1	1	1	1	3
9	1	1	0	0	1	1	2	3	2	1	2	1	1	2	2	1	1	1	3	5	1	1	1	1	1
10	0	0	0	0	0	1	2	1	0	....	-	0	0	0	1	1	1	1	1	1	1	1	1	2	1
11	7	7	11	3	3	2	9	14	3	1	1	1	1	1	2	2	2	2	2	2	2	2	3	2	4
12	0	0	0	0	0	2	8	9	6	5	4	4	2	2	2	4	5	5	2	1	1	0	0	0	3
13	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1
14	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
15	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
16	0	0	0	0	0	1	1	1	1	1	1	1	1	0	1	0	1	3	4	5	4	1	8	5	2
17	0	0	1	1	1	0	1	1	1	1	1	1	1	1	0	1	0	0	0	1	6	4	2	3	1
18	4	1	0	0	1	0	1	2	2	1	1	0	0	0	0	0	0	0	0	0	7	3	1	2	1
19	0	0	0	0	0	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	3	1	1
23	2	2	0	0	0	2	8	13	5	1	0	0	0	1	1	1	1	1	0	1	1	2	3	6	2
24	11	13	7	2	1	3	6	4	2	1	0	0	0	0	0	0	0	1	0	4	9	6	1	1	3
25	1	1	3	0	0	1	2	1	3	2	.....	.....	0	0	1	1	1	1	1	1	3	6	2	2	3
26	3	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	4	4	5	7	5	5	5	5	3
27	5	4	4	3	2	2	2	3	3	3	3	3	3	3	3	4	5	5	5	5	5	5	5	5	4
28	4	3	3	3	3	3	3	3	3	3	3	3	4	5	6	7	7	8	8	7	7	6	6	6	6
29	5	5	4	4	4	4	4	4	4	4	4	4	5	5	6	7	8	8	8	8	7	6	6	6	6
30	5	5	5	5	4	4	4	4	4	4	4	4	5	5	6	7	8	9	9	9	10	11	10	10	7
31	7	6	6	5	5	5	4	4	4	3	1	1	.....	.....	.....	1	1	3	0	0	1	0	0	0	3
MEAN	2	2	2	1	1	1	2	3	2	1	1	1	1	1	2	2	2	2	2	2	3	2	2	2	1.8

PERCENTAGE OF DATA VALID - 98.7 PERCENTAGE OF DATA INVALID - 1.1 PERCENTAGE OF DATA UNAVAILABLE - 0.3

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA															MONTH - JUN 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	2	2	2	2	3	3	2	1	1	1
2	0	0	0	0	0	1	2	7	5	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
4	0	0	0	0	0	0	1	4	5	3	3	1	1	0	0	0	0	0	0	0	0	2	1	0	1
5	0	0	0	0	0	1	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	0	0	0	0	0	1	1	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	0	0	0	0	0	1	2	4	4	3	2	1	1	1	1	1	1	1	1	0	0	0	0	0	1
8	0	0	0	0	1	2	2	3	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
9	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	1	1	1	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	1	1	3	4	2	1	1
15	0	0	0	0	0	0	1	1	0	0	1	0	1	1	1	1	1	1	0	1	4	8	9	5	2
16	2	0	0	0	0	1	2	5	4	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1
17	3	1	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	1	0	0	0	1	2	1	0
18	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	1	0	0	0	0	0	0	1
19	1	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1
20	0	0	0	0	0	1	2	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1
21	0	0	0	0	1	2	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	2	1	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1	2	1
24	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	3	1	0
25	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	0	1
26	0	0	0	0	0	2	3	4	2	1	1	1	1	1	2	1	1	1	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	1	1	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	1	1	1	1	1	1	0	0	0	1	1	1	1	0	0	1	1	1	1	0.6

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.8 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA															MONTH - JUL 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0
3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	3	3	1
5	2	0	0	0	0	0	3	5	1	0	....	....	0	1	1	1	1	0	0	0	1	6	1	0	1
6	0	0	0	0	0	1	4	5	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
10	0	0	0	0	0	0	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	1	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	1	1	0	0	....	....	0	0	0	0	1	1	1	1	1	1	1	1	1
13	2	1	1	1	1	1	4	4	2	1	1	1	1	1	0	1	1	1	1	2	1	1	1	1	1
14	0	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	4	5	1
15	2	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	1	1	3	2	....	1	1	0	0	1	1	1	1	1	1	1	0	0	0	1
20	0	0	0	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	1	1	1	1	0	1	0	0	0	0	1	0	0	1	0	1	1	1	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0
23	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	1	2	2	1	0	0	0	0	0	0	0	0	0	1	2	4	0	0	0	1
25	0	0	0	0	0	2	3	4	1	....	....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	4	6
29	7	6	3	2	3	2	3	2	2	1	2	1	2	2	3	2	1	1	1	1	0	0	0	0	2
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	2	0
31	0	1	0	0	0	2	1	3	1	1	1	0	1	1	1	1	1	1	1	1	1	0	0	0	1
MEAN	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0.4

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA															MONTH - AUG 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	1	2	2	3	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
2	0	0	0	0	0	1	3	2	2	***	***	***	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	1	0	1	3	2	8	3	1
4	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	1	1	0	***	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	***	***	1	1	1	1	1	1	1	1	1	1	2	3	1
11	2	1	0	1	1	1	2	3	6	2	1	1	1	1	1	1	1	1	1	3	6	6	6	3	2
12	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1
14	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6	3	5	5	1
15	2	1	1	1	1	1	3	1	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	2	2	1	1	***	0	1	1	1	1	1	0	1	0	1	0	0	0	1
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	2	0	0	0	0	0	1	2	2	1	1	1	0	1	0	0	0	0	0	2	1	1	2	2	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0
21	0	0	0	0	0	1	2	2	2	1	1	1	0	0	0	0	0	0	0	5	8	4	2	4	1
22	1	3	0	0	0	1	3	4	8	5	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	0	***	1	1	1	1	1	1	1	1	1	1	1	1	1
24	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1
25	1	1	1	0	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	2	5	4	4	1	1
26	2	1	1	1	4	2	0	1	1	1	0	0	1	1	1	1	1	1	1	1	1	2	1	1	1
27	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	2	3	4	3	2	0	1
28	1	1	1	1	1	2	2	1	***	***	3	3	3	3	3	4	3	4	7	6	3	4	1	***	3
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0
30	0	0	0	0	0	1	2	2	1	1	2	3	1	0	0	0	0	0	1	0	1	2	3	1	1
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	1	0
MEAN	0	0	0	0	0	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	0.7

PERCENTAGE OF DATA VALID - 98.5

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION										
		STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA														MONTH - SEP 78										
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	0	0	0	1	3	5	3	1	0	0	0	0	0	0	0	0	0	1	4	16	8	9	7	2
2	12	12	8	4	2	2	2	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	3	2	3	1
6	0	0	0	0	0	1	4	4	2	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	3	5	4	3	1
8	0	0	0	0	0	1	3	4	3	.....	.....	.....	1	1	2	1	1	1	1	1	6	5	5	10	3	2
9	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	2	3	4	4	6	1
10	3	1	1	1	1	1	2	3	3	3	3	2	3	2	2	2	2	2	2	4	5	5	4	2	1	2
11	1	1	1	1	1	3	5	15	6	5	7	6	7	5	3	4	3	2	1	2	2	3	2	1	1	4
12	0	0	0	0	0	1	1	1	0	1	1	0	0	0	1	1	1	1	2	2	3	3	2	1	1	1
13	0	0	0	0	0	1	2	3	2	1	0	0	0	1	1	1	2	2	3	9	11	13	10	6	2	3
14	0	0	0	0	0	0	3	9	6	3	3	2	2	2	2	2	3	3	4	2	1	1	1	1	1	2
15	0	0	0	0	0	1	3	4	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1
16	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0
17	1	1	1	0	0	0	0	0	1	0	0	0	0	0	1	1	2	2	4	1	1	1	1	1	1	1
18	0	0	0	0	0	2	4	2	1	2	1	0	0	1	1	1	1	1	0	4	7	6	9	10	6	2
19	0	0	0	0	1	1	2	1	1	1	1	0	1	1	1	1	1	1	1	2	3	4	1	1	1	1
20	3	1	1	1	1	1	1	1	31	29	.....	.....	7	6	6	12	14	5	6	8	5	4	1	3	2	8
21	1	1	1	0	0	1	8	13	6	3	2	1	2	1	1	2	2	2	3	2	2	1	1	1	0	2
22	0	0	0	0	1	2	4	3	3	1	1	1	1	1	1	1	1	1	1	2	4	4	2	4	5	2
23	3	3	1	1	1	2	2	3	4	8	3	1	1	1	2	1	1	2	3	6	4	2	2	2	1	2
24	7	6	2	1	1	1	4	4	3	2	1	0	1	1	1	1	1	0	1	1	1	1	0	0	0	2
25	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	0	0	0	0	0	3	4	7	9	4	.....	0	2	3	.....	2	2	3	2	2	3	2	1	1	1	2
27	1	1	1	1	1	3	5	3	2	3	2	2	3	3	2	3	2	1	1	1	1	1	1	0	0	2
28	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	2	1	1	2	2	2	2	3	4	7	2
29	4	3	2	5	2	3	28	9	14	4	2	2	1	1	1	1	1	1	2	14	3	2	3	4	5	5
30	6	2	1	1	1	2	4	3	2	2	2	2	2	2	2	1	2	2	2	2	1	1	1	1	1	2
MEAN		2	1	1	1	1	2	4	4	3	2	1	1	1	1	1	2	1	2	2	3	3	3	3	2	1.9

PERCENTAGE OF DATA VALID - 98.5 PERCENTAGE OF DATA INVALID - 1.5 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION										
		STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA														MONTH - OCT 78										
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	2	3	2	1	....	2	2	2	1	2	2	2	2	2	2	1	2	1	1	1	2
4	1	1	1	1	1	3	6	7	8	6	5	5	4	9	7	7	5	7	12	3	4	6	5	6	5	5
5	6	5	3	1	2	5	10	8	8	7	5	4	4	3	5	8	12	6	4	4	4	2	2	1	4	5
6	2	1	1	1	2	3	9	15	13	6	4	3	3	2	3	4	4	4	4	4	3	2	3	2	4	4
7	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2	2	2	2	2	2	1
10	2	1	1	1	1	1	1	1	1	3	6	3	3	....	1	1	1	1	1	1	2	1	3	16	7	3
11	9	1	1	1	1	2	3	7	10	5	4	4	2	2	1	2	2	3	6	2	1	1	2	2	2	3
12	1	1	1	1	1	1	3	2	2	1	1	2	2	1	1	5	10	11	3	1	1	1	1	1	1	2
13	1	1	1	1	1	1	3	4	2	1	2	2	1	1	2	2	3	3	4	3	5	3	1	1	1	2
14	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	0	1	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	3	5	3	2	1
16	0	0	0	0	0	1	3	3	1	0	1	0	0	0	0	1	1	1	1	1	3	5	3	2	2	3
17	0	0	0	0	1	3	9	8	5	3	0	1	1	1	1	1	1	4	12	15	5	3	2	2	1	4
18	1	1	1	1	1	6	12	13	7	7	5	4	2	3	4	6	4	4	4	2	2	2	3	2	1	4
19	1	0	0	0	1	1	2	2	1	1	....	1	1	1	1	1	2	1	2	2	2	4	7	12	8	3
20	2	1	1	0	1	2	7	12	11	8	2	1	1	1	1	2	4	4	3	3	3	3	3	3	3	3
21	2	2	1	1	0	1	3	5	8	4	3	2	2	2	2	2	2	2	2	2	2	3	4	3	3	3
22	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
23	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2	2	2	1	1	1	1	1	2
24	1	1	1	0	0	1	3	5	6	3	2	2	1	1	2	3	4	3	3	4	3	3	2	1	1	2
25	1	0	0	0	0	2	4	15	13	....	3	3	3	3	5	6	7	8	12	15	3	1	1	1	1	5
26	1	1	1	1	1	2	3	6	5	3	4	5	3	2	3	2	3	5	4	3	2	2	1	1	1	3
27	1	1	1	0	0	1	1	2	2	1	1	1	1	1	1	2	7	6	1	1	14	9	6	4	3	3
28	6	3	3	3	3	3	2	2	2	2	1	2	1	1	1	2	2	2	1	1	1	1	1	1	1	2
29	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	5	5	13	14	9	2
30	9	6	4	2	6	3	3	6	9	6	3	3	3	3	3	2	3	7	6	5	3	2	1	2	2	4
31	2	1	0	0	0	0	2	5	4	2	2	3	3	2	2	2	2	3	2	2	2	2	2	2	2	2
MEAN		2	1	1	1	1	2	3	5	4	3	2	2	2	2	2	2	3	4	3	3	3	3	3	2	2.5

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION											
STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA															MONTH - NOV 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	2	1	1	0	0	0	1	5	6	7	3	2	1	1	1	2	5	8	5	3	2	2	2	2	3	
2	1	1	1	1	0	0	1	3	3	2	2	1	1	1	1	2	3	5	10	15	38	35	62	55	10	
3	15	11	14	9	3	1	3	8	9	6	13	****	3	3	4	5	11	17	23	30	23	18	22	24	12	
4	24	33	14	5	3	2	3	3	5	6	11	6	5	5	4	4	3	3	3	2	2	2	1	2	6	
5	2	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	5	7	4	3	4	5	4	6	3	
6	14	6	4	1	1	1	2	4	6	6	3	2	2	2	2	2	2	2	2	2	1	1	3	3	3	
7	2	1	1	1	1	1	1	2	2	1	1	0	1	1	1	1	2	5	4	5	10	9	4	6	3	
8	1	1	0	0	0	3	3	4	10	22	10	3	3	2	2	4	6	8	5	4	3	2	4	6	4	
9	1	1	1	1	1	1	2	5	6	4	2	2	2	2	2	3	6	18	31	47	61	32	24	19	11	
10	13	1	1	1	1	1	1	2	2	2	1	2	2	1	2	2	4	3	3	2	1	2	1	2	2	
11	2	1	1	1	1	0	1	1	3	5	9	3	3	2	2	2	3	2	1	1	1	1	0	0	2	
12	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	1	1	****	****	0	
13	DATA INVALID -														DATA INVALID -											
14	DATA INVALID -														DATA INVALID -											
15	DATA INVALID -														DATA INVALID -											
16	2	1	1	1	1	1	1	5	13	****	2	1	1	1	1	1	3	13	48	35	36	26	5	12	9	
17	7	3	2	2	2	4	15	12	11	8	5	5	4	5	5	4	4	4	3	3	3	3	2	5	5	
18	2	2	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	
19	5	6	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	
20	0	1	1	0	0	0	0	1	2	2	2	1	1	1	1	1	2	3	2	4	2	2	2	3	1	
21	3	2	1	1	1	1	2	3	3	2	2	1	3	3	3	3	4	5	6	9	7	30	30	11	6	
22	7	7	8	13	8	7	7	11	8	11	9	7	6	6	5	6	10	11	12	7	5	6	4	4	8	
23	3	3	3	3	4	7	8	11	10	7	6	7	6	7	5	3	2	2	2	2	2	2	2	2	5	
24	2	1	2	3	3	2	3	3	2	2	2	2	2	2	3	3	2	2	2	2	2	1	1	1	2	
25	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	4	5	2	
26	5	6	6	7	8	7	7	6	5	6	6	7	8	8	8	7	8	8	8	7	7	7	7	6	7	
27	5	5	5	4	4	5	6	6	6	5	5	****	****	****	****	1	1	0	1	1	1	1	1	1	3	
28	1	1	1	1	0	0	0	0	2	3	3	2	3	3	3	2	4	4	4	4	3	3	6	7	3	
29	38	44	40	26	17	10	6	6	5	5	5	5	6	7	10	21	19	23	18	18	16	17	9	9	16	
30	9	9	9	9	9	9	11	14	12	****	****	****	9	9	9	9	9	9	9	11	15	13	****	****	10	
MEAN	6	6	5	4	3	2	3	4	5	5	4	3	3	3	3	3	4	6	8	8	9	8	8	7	5.1	

PERCENTAGE OF DATA VALID - 89.2

PERCENTAGE OF DATA INVALID - 10.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA															MONTH - DEC 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1															- DATA INVALID -										
2															- DATA INVALID -										
3															- DATA INVALID -										
4																									
5	1	1	1	1	1	1	2	4	5	3	4	3	3	3	4	3	2	2	2	2	2	2	2	2	****
6	3	3	3	2	2	2	3	8	7	8	5	3	4	5	4	9	12	8	5	3	2	2	3	2	1
7	2	1	1	1	1	1	2	6	8	4	2	2	2	2	5	3	5	6	3	2	2	2	4	4	3
8	2	1	1	1	1	1	1	2	5	2	3	4	6	5	3	4	5	6	2	2	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	2	***	2	2	2	2	1	1	1	1	2	1	2	2	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1
11	4	3	4	2	4	4	4	4	5	6	10	15	26	27	24	21	19	15	33	34	12	9	11	12	13
12	24	12	5	1	1	1	2	4	5	5	6	5	6	11	11	15	14	16	16	8	3	3	3	3	8
13	3	1	1	0	0	0	2	4	7	4	6	9	5	4	5	8	7	3	2	2	1	0	0	0	3
14	0	0	0	0	0	0	0	1	1	0	****	2	2	2	2	4	6	16	18	18	13	12	8	7	5
15	3	2	2	2	1	2	2	4	7	17	29	19	18	12	9	11	14	15	14	7	5	5	4	5	8
16	4	3	2	2	3	3	3	3	4	5	6	8	8	8	11	19	24	23	19	16	12	7	5	5	8
17	3	3	3	7	8	4	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
18	2	2	2	1	1	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2
19	2	1	1	1	1	2	2	4	4	4	3	3	3	3	3	4	4	3	3	3	3	3	3	3	2
20	1	1	1	1	2	2	2	3	5	7	****	2	3	4	4	3	3	2	8	7	2	1	1	1	3
21	1	1	1	1	1	3	5	13	22	5	2	2	2	2	2	2	2	2	2	2	2	3	4	2	4
22	3	4	8	1	0	1	6	16	26	29	17	19	13	9	4	4	4	3	3	3	3	2	5	4	8
23	6	5	5	11	11	7	2	2	2	2	3	3	3	5	6	6	3	3	3	3	3	2	7	5	5
24	11	21	21	11	9	8	6	4	2	2	2	3	3	2	2	2	2	1	1	1	1	1	1	1	5
25	1	1	1	1	1	1	2	1	1	1	1	1	3	3	3	2	2	2	2	1	1	1	1	1	2
26	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	2	2	2	2	1	1	1	1	1	1
27	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1
28	1	0	0	0	0	0	1	3	4	3	2	2	2	2	1	2	2	1	1	1	1	1	1	1	1
29	2	2	2	2	2	2	2	5	6	5	5	3	3	3	3	2	3	2	2	2	4	5	3	4	2
30	12	9	6	5	3	2	2	3	3	5	11	11	8	5	6	4	3	3	3	3	2	2	2	2	4
31	2	2	2	1	1	1	2	2	2	3	3	3	4	4	3	3	3	3	3	4	5	5	4	3	3
MEAN	4	3	3	2	2	2	2	4	5	5	5	5	5	5	5	5	6	6	6	6	5	4	4	4	4

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA UNAVAILABLE		
FEB		DATA UNAVAILABLE		
MAR		DATA UNAVAILABLE		
APR	18	1.1	2	9
MAY	31	1.8	7	14
JUN	30	0.6	2	9
JUL	31	0.4	2	7
AUG	31	0.7	3	8
SEP	30	1.9	8	31
OCT	31	2.5	5	16
NOV	27	5.1	16	62
DEC	27	4.2	13	45
YEAR	256	2.0	16	62

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	DATA UNAVAILABLE							
FEB	DATA UNAVAILABLE							
MAR	DATA UNAVAILABLE							
APR	436	6	0	0	0	0	0	442
MAY	671	55	8	0	0	0	0	734
JUN	711	3	0	0	0	0	0	714
JUL	733	4	0	0	0	0	0	737
AUG	723	10	0	0	0	0	0	733
SEP	656	37	13	2	1	0	0	709
OCT	661	59	20	0	0	0	0	740
NOV	471	103	39	14	9	3	3	642
DEC	535	56	47	14	2	1	0	655
YEAR	5597	333	127	30	12	4	3	6106

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
92.5	0	0.0	0.0	0.5	1.4	4.4	7.1	12.0	17.6	62	2.0

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL															MONTH - JAN 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	3	4	8	2	1	2	3	3	3	1	1	1	1	1	0	0	0	0	0	0	0	0	2
2	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	1	1	1	0	0	0	0	1
4	1	0	0	0	0	0	1	2	1	1	1	1	2	3	1	1	1	1	1	2	1	2	1	1	1
5	2	2	2	1	1	1	2	3	5	3	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1
6	0	0	0	0	0	0	0	1	2	2	1	2	1	1	1	2	2	3	1	1	1	2	2	1	1
7	1	0	0	0	0	0	0	1	1	2	2	1	1	1	1	1	1	1	1	1	2	2	1	1	1
8	2	2	1	2	1	1	2	2	1	1	1	1	1	1	1	1	3	7	2	1	1	1	1	1	2
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	0	0	0	0	1
10	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	1	0	0	1	0	0
12	0	0	0	0	0	1	1	1	2	2	1	1	1	1	2	2	4	5	6	2	1	3	16	3	2
13	2	10	4	3	1	0	0	2	2	2	3	4	6	6	5	5	5	4	3	1	1	0	1	1	3
14	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0	1	0	0	1	1	0	0	0	0
16	1	1	1	0	0	0	0	1	1	1	1	1	1	1	0	1	0	0	1	1	1	0	0	0	0
17	7	3	5	14	21	27	22	24	29	11	5	6	3	2	2	3	2	6	8	8	10	6	2	1	9
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	5	1
19	1	1	2	1	1	1	1	5	6	3	2	3	2	2	2	1	2	3	3	6	11	18	9	16	4
20	5	1	2	1	0	0	1	3	2	2	2	2	2	2	2	2	2	1	1	1	1	0	0	0	1
21	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	1	1	1	2	1	1	1	1	1
22	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
23	0	0	1	1	0	0	0	1	1	1	1	2	2	1	1	1	1	1	1	1	0	0	0	0	0
24	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	0	0	0	1
25	1	1	0	0	0	0	1	2	8	6	3	2	3	3	4	4	3	2	6	1	6	11	1	1	2
26	1	1	1	1	1	0	1	1	1	1	1	2	1	1	1	1	1	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0
29	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0
30	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	2	3	0	1	0	1	1	0	1
MEAN	1	1	1	1	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1.4

PERCENTAGE OF DATA VALID - 98.9 PERCENTAGE OF DATA INVALID - 1.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL														MONTH - FEB 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	1	1	1	1	2	2	1	1	1	2	2	1	1	1	2	1	1	1
2	0	0	0	0	0	0	0	1	1	1	1	2	2	1	1	1	1	1	2	10	5	4	5	7	2
3	7	3	1	0	0	0	0	2	4	3	1	1	0	1	1	2	2	3	3	4	3	6	5	5	2
4	16	6	2	1	1	1	0	1	2	2	2	4	1	1	1	2	2	2	3	2	1	2	2	2	2
5	1	1	0	0	0	5	13	16	4	2	2	1	1	1	1	1	1	1	1	1	1	1	0	0	2
6	3	1	1	1	0	0	1	1	2	2	3	2	2	1	2	1	1	1	1	1	1	0	0	0	1
7	0	0	0	1	1	1	0	0	0	0	0	2	2	1	2	1	1	1	1	1	1	0	0	0	0
8	0	1	0	0	2	8	13	13	5	2	1	1	1	1	1	2	1	0	0	1	0	0	0	0	0
9	1	1	1	0	0	0	0	1	2	1	1	2	1	1	1	2	2	2	2	1	1	2	4	6	1
10	7	3	4	4	1	4	8	12	6	2	1	1	1	1	1	2	2	1	1	1	1	1	1	1	3
11	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	1	1	1	1	1	1	1	0	0	1
12	0	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	0	1
13	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	2	3	4	5	6	4	2	22	18	3
14	16	6	2	1	0	0	0	9	7	1	1	1	1	4	2	2	2	6	17	23	14	9	6	1	5
15	0	0	0	0	0	0	0	9	7	1	1	1	1	1	1	1	1	4	17	23	1	1	1	0	3
16	0	1	1	19	35	33	24	31	25	8	8	5	3	1	1	2	2	6	2	6	2	1	4	3	9
17	4	3	11	12	3	1	2	8	11	11	9	4	4	1	1	1	1	1	1	1	1	0	0	0	4
18	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1
19	1	0	0	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1
20	0	0	0	0	0	1	0	1	1	1	1	3	2	1	1	1	2	1	1	0	0	0	0	0	1
21	0	0	0	0	0	0	0	1	2	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1
22	0	0	0	0	0	0	0	1	1	1	1	1	1	0	1	1	1	1	0	0	0	1	1	1	0
23	0	0	0	0	0	0	0	1	0	0	0	1	1	1	0	1	1	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
25	2	2	1	1	0	1	2	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
26	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1	1	1	1	0	0	0	1
27	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
28	0	0	1	1	2	3	5	6	3	-	1	1	1	1	1	1	1	2	2	2	9	17	11	5	3
MEAN	2	1	1	2	2	2	3	4	3	2	2	2	1	1	1	1	1	2	2	3	2	2	2	2	1.9

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.6 PERCENTAGE OF DATA UNAVAILABLE - 0.1

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT																UNITS - 0.01 PARTS/MILLION									
STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST.. CORNWALL																MONTH - MAR 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	14	4	8	9	18	9	16	7	3	2	1	1	1	0	0	1	1	0	0	0	0	0	0	4
2	0	1	0	0	0	0	0	1	2	1	1	1	1	1	1	0	0	1	1	0	0	0	0	0	1
3	0	0	0	4	7	2	18	11	5	2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	3
4	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
5	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	0	0	0	0	0	0	1
6	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	0	0	0	0	0	0	0	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	0	0	0	0	0	0	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	1	2	3	2	1	1	2	1
11	4	3	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	4	0
13	1	1	1	0	0	0	5	2	2	1	0	1	0	1	0	1	1	1	0	0	1	1	0	1	1
14	0	0	0	0	0	0	0	0	1	2	2	1	0	0	0	1	1	1	1	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
16	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	1
17	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	0	0	0
18	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	1	1	0	0	0	0
21	0	1	4	2	0	0	1	1	1	1	1	2	2	2	3	3	3	3	3	3	2	1	0	0	2
22	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
23	0	0	0	0	0	0	0	0	2	2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
25	3	0	1	1	6	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1
26	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	1	1	1	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	1	1	1	2	2	1	1	1	0	0	1	1	0	0	0	1
28	0	0	0	0	0	0	0	0	1	0	1	0	1	1	0	0	1	1	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	1	0	0
30	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	1	1	0	0	0	0	0	1	0
31	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	0	1
MEAN	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0.7

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT																UNITS - 0.01 PARTS/MILLION									
STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST.. CORNWALL																MONTH - APR 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	1	2	2	0	0	1	1	1	1	1	1	1	1	0	1
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	0	0	0	0	0	0	1	3	2	2	2	2	1	1	2	2	2	1	1	1	1	0	0	1	1
5	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
6	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0
7	0	0	0	0	0	0	0	1	1	1	2	2	2	2	1	2	2	2	1	1	1	1	0	0	0
8	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	1	1	1	1	1	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	0	0	0	0
10	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
11	0	0	0	0	0	0	0	0	1	1	1	2	2	2	2	2	3	1	1	1	1	1	1	1	1
12	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1
13	0	0	0	0	1	2	4	5	5	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1
14	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
17	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
19	0	0	0	0	0	0	1	1	1	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	1	1	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	0	0	1	1	0	0	1	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
23	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	3	1	1	1	1	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	15	19	2	3
26	2	5	11	9	8	9	3	1	1	1	0	0	0	0	1	1	1	1	1	4	7	12	17	19	3
27	1	2	4	1	4	2	1	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
28	10	6	4	6	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	1	1	1	1	0	0	1	1	0	1	0	0	0	0	1	1	0	0	1	1	1	2	1	0.6

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT		UNITS - 0.01 PARTS/MILLION																							
STATION - SE NO 56051		MEMORIAL PARK YORK/THIRD ST., CORNWALL												MONTH - MAY 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	1	1	1	2	2	1	1	1	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1
6	0	0	0	0	1	0	0	0	0	0	0	1	0	1	1	1	1	1	1	0	0	0	0	0	0
7	0	0	0	0	0	0	0	1	1	1	1	1	1	0	1	0	0	0	0	1	1	1	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0
10	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	1	0	0	0	0	1	0	0	2	0
11	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0
12	0	0	0	0	0	1	1	1	0	0	1	0	1	1	0	1	0	0	0	1	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
14	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	1	1	0	0	0	0
16	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0
18	1	0	0	0	0	0	2	1	0	0	0	0	1	0	0	0	0	0	0	1	0	1	1	1	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT		UNITS - 0.01 PARTS/MILLION																							
STATION - SE NO 56051		MEMORIAL PARK YORK/THIRD ST., CORNWALL												MONTH - JUN 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL															MONTH - JUL 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	0
15	4	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	1	1
18	1	1	1	1	1	1	2	2	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1
19	1	0	0	0	0	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	0	0	0	0	0	0	0
21	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	1	1	1	1	1	1	1	0
22	0	0	0	0	1	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	1	1	1	1	0
23	1	1	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	1	0	1	1	1	0	0	1	1	0	1	1	1	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
30	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 93.3

PERCENTAGE OF DATA INVALID - 2.6

PERCENTAGE OF DATA UNAVAILABLE - 4.2

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL															MONTH - AUG 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0
3	1	1	1	1	1	1	1	1	***	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	***	0	0	0	0	1	1	5	1	0	0
12	1	0	0	4	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	2	1	2	2	2	1
21	1	0	0	1	1	2	1	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	0	0	1	1	1	0	0
24	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0
25	0	0	0	0	1	1	1	***	0	0	0	0	0	0	0	0	0	0	0	1	0	3	3	4	1
26	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL															MONTH - SEP 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	2	1	2	1	1	1	0	0	0	1	0	0	****	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0
6	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	3	4	3	5	1
8	7	5	4	5	4	2	1	1	1	1	0	0	0	0	0	0	0	2	3	2	1	0	0	0	2
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	6	3	5	0	1
10	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	5	6	6	0	0	1
11	0	0	0	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	5	0
14	4	3	1	1	1	3	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	1	1	0	0	1	2	2	1	0	0	0	1	0	0	1	1	0	1	0	0	0	0	0	1
19	0	0	1	0	1	1	2	1	1	1	1	0	0	0	0	0	0	0	1	7	14	22	28	20	4
20	5	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
21	1	1	1	1	1	1	1	1	0	0	0	0	****	****	1	1	0	1	1	1	1	0	0	0	1
22	0	0	0	0	0	1	1	1	3	1	1	0	0	1	0	1	0	0	3	3	3	1	2	2	1
23	3	8	5	4	2	3	2	1	0	1	1	1	1	0	0	0	0	0	1	1	1	0	0	0	1
24	1	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	1	0	0	0	0	1	****	****	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
29	1	2	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0.5

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.8 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL															MONTH - OCT 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	1	***	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	0
3	1	3	0	0	0	0	0	1	1	0	1	1	1	1	1	1	0	0	0	1	1	0	0	0	1
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	1	3	7	1	1	0	0	0	1	0	0	1	2	8	12	0	0	0	0	2
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	2	4	2	4	4	5	8	6	6	4	0	0	0	0	1	0	0	1	6	9	2	1	0	3
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	2	3	2	2	2	0	1
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	1	2	1	1	0	0	0	0	0	1	0	1	10	14	9	13	2	1	2
17	1	0	0	0	0	2	4	7	2	1	0	0	0	***	***	0	0	0	1	0	0	0	0	0	1
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	1	1	2	4	5	10	2	3	9	2
20	5	4	2	2	2	5	13	9	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	2
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	0	0	0	0	0
24	0	0	0	0	0	1	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	1	1	1	1	1	1	1	1	***	0	0	1	1	1	1	3	2	1	1	2	1	0	1	0	1
27	0	0	0	0	0	0	1	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	11	2	26	21	11	11	12	9	7	6	0	0	0	0	0	0	1	0	0	12	3	0	0	12	2
31	0	0	0	0	0	0	0	1	1	0	1	1	0	0	0	0	1	2	1	0	1	0	0	0	0
MEAN	1	0	1	1	1	1	1	2	1	1	0	0	0	0	0	0	0	0	1	2	1	1	0	1	0.7

PERCENTAGE OF DATA VALID - 99.5 PERCENTAGE OF DATA INVALID - 0.5 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST.. CORNWALL															MONTH - NOV 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	1	1	6	5	3	2	1	0	1	0	0	0	1	1	0	0	0	0	0	0	1
2	0	0	0	0	0	0	0	1	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0
3	0	0	1	1	0	0	3	9	25	12	1	0	1	0	0	1	7	5	8	16	17	5	3	2	5
4	4	20	47	41	35	8	17	6	5	2	1	0	0	0	0	0	0	0	0	1	4	3	1	0	8
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	8	5	2	15	14	1	2
6	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	2	2	2	11	8	6	8	2
8	8	4	5	3	2	0	2	6	10	2	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	1	1	0	1	1	1	0	0	0	0	1	0	0	0	1	2	0
10	2	2	4	6	5	1	0	0	0	0	1	1	1	1	2	3	4	2	1	1	1	1	1	2	2
11	3	1	0	0	0	1	3	5	8	5	1	1	1	0	0	1	1	0	1	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	4	4	0	0
13	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	2	2	3	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5	5	2	2	2	1	2	0
16	1	1	0	0	0	0	1	1	2	0	1	1	1	1	1	1	6	19	24	37	42	52	74	26	12
17	15	16	13	8	8	6	7	11	7	3	2	2	2	2	3	7	4	3	2	0	0	0	0	0	5
18	0	0	0	0	1	1	1	1	1	2	1	0	1	1	1	1	1	0	0	0	0	0	0	0	0
19	0	1	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	0	0	0	1	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	1	2	1	1	1	0	1
21	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	1	1	1	2	3	7	10	20	15	3
22	6	9	9	13	13	7	1	6	12	2	1	1	1	1	1	2	5	5	7	12	17	1	5	9	6
23	7	6	5	4	5	3	4	4	5	2	2	2	2	2	1	2	1	1	1	1	1	1	1	1	3
24	0	0	0	0	0	0	1	1	2	1	2	2	2	1	1	2	2	1	1	1	1	1	1	0	1
25	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	1	1	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0
27	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
28	1	1	1	0	0	0	1	1	2	2	1	2	1	1	1	1	1	1	1	1	1	1	0	0	1
29	1	2	0	1	8	11	9	15	15	8	3	3	1	1	1	2	8	4	1	1	1	1	0	0	0
30	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
MEAN	2	2	3	3	3	1	2	3	4	2	1	1	1	1	1	1	2	2	2	3	4	4	5	2	2.1

PERCENTAGE OF DATA VALID - 99.0 PERCENTAGE OF DATA INVALID - 0.8 PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST.. CORNWALL														MONTH - DEC 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	0	0	0	0	0	1	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1
2	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1
3	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	4	5	11	16	6	2	2	1	1	1	1	1	1	1	1	1	1	3
5	0	0	1	0	0	0	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	0	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	1	1	1	1	1	1	1	1
7	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	2	2	1	2	1	0	0	1
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0
11	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
12	0	0	0	0	0	0	0	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	0	0	1
13	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
14	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	9	15	5	7	4	3	2	2	3
17	1	2	1	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	1	1	1	1	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	0	0	1
21	0	0	0	0	0	1	2	3	4	1	2	1	1	1	1	1	1	1	1	1	1	0	1	0	1
22	0	0	0	0	0	0	0	1	1	1	1	1	2	3	3	3	3	4	5	9	6	6	1	1	2
23	0	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	3	6	13	6	2
24	1	1	1	1	1	1	7	11	5	5	4	3	2	3	3	2	1	1	1	1	1	1	1	1	2
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
27	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
28	0	0	0	0	0	0	0	1	1	1	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1
29	0	0	0	0	0	0	1	1	2	2	2	2	2	2	1	2	2	6	6	12	12	8	15	10	4
30	4	5	3	2	2	2	2	2	2	2	2	2	2	1	2	2	2	1	1	1	2	1	1	2	4
31	5	4	4	4	4	4	3	4	5	5	5	4	4	4	3	3	3	3	4	4	5	5	4	5	4
MEAN	1	1	1	0	0	0	1	1	1	1	2	1	1	1	1	1	2	2	1	2	2	1	2	1	1.2

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.4	9	29
FEB	28	1.9	9	35
MAR	31	0.7	4	18
APR	30	0.6	3	19
MAY	31	0.1	1	2
JUN	30	0.1	0	2
JUL	29	0.2	1	4
AUG	31	0.2	1	5
SEP	30	0.5	4	28
OCT	31	0.7	5	26
NOV	30	2.1	12	74
DEC	31	1.2	4	16
YEAR	363	0.8	12	74

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	701	21	9	5	0	0	0	736
FEB	616	25	18	5	3	0	0	667
MAR	730	6	6	0	0	0	0	742
APR	698	10	6	0	0	0	0	714
MAY	739	0	0	0	0	0	0	739
JUN	714	0	0	0	0	0	0	714
JUL	694	0	0	0	0	0	0	694
AUG	741	0	0	0	0	0	0	741
SEP	704	6	2	2	0	0	0	714
OCT	712	16	10	2	0	0	0	740
NOV	643	37	23	3	2	3	2	713
DEC	722	13	8	0	0	0	0	743
YEAR	8414	134	82	17	5	3	2	8657

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
98.8	0	0.0	0.0	0.0	0.2	1.1	2.7	6.8	11.4	74	0.8

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - NE NO 77016 ASH ST WATER TANK. SUDBURY														MONTH - JAN 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	1	1	0	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	0	0	0	0	0	0	0	1	4	10	6	5	2	2	2	2	1	1	1	1	1	2	0	1	2
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	4	7	2	1	2	2	4	2
4	26	27	18	7	2	1	1	1	2	3	3	4	4	2	4	5	4	2	1	1	1	1	1	1	5
5	1	1	0	0	0	0	0	0	0	1	1	1	1	2	1	1	1	1	0	0	0	0	0	1	1
6	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	0	1	1	0	0	0	0	0	0	1
9	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	8	5	3	2	1	1	2
12	1	1	1	1	0	0	0	1	4	1	2	2	1	1	1	1	2	4	5	3	1	2	2	3	2
13	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	3	0	1	1	1	1	1	1
15	0	0	0	0	0	0	0	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	10	16	12	3	2	2	2	2	3
17	1	1	1	1	1	1	2	12	9	15	13	6	5	3	4	3	4	9	6	4	3	2	2	2	5
18	2	1	1	1	1	1	1	1	3	2	1	1	1	1	1	2	4	7	8	12	9	4	1	0	3
19	1	4	16	12	7	3	2	3	7	8	2	1	1	1	2	1	2	2	1	0	0	0	0	0	0
20	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	2	3	8	4	2	1	1	1	1
22	1	0	1	0	1	1	1	1	2	2	1	1	1	0	0	0	0	0	1	1	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1	1	1	0	0	0	0	0	0
25	0	0	0	0	0	0	0	1	2	1	0	0	2	2	2	2	1	1	0	0	1	1	1	1	1
26	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	1	1	3	4	6	8	10	12	20	27
31	26	22	18	9	4	2	2	7	13	10	5	6	4	1	1	1	1	0	0	0	1	1	1	1	6
MEAN	2	2	2	1	1	1	1	1	2	2	2	1	1	1	1	1	2	2	2	2	1	1	1	1	1.5

PERCENTAGE OF DATA VALID - 98.3

PERCENTAGE OF DATA INVALID - 1.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - NE NO 77016 ASH ST WATER TANK. SUDBURY														MONTH - FEB 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	5	7	11	17	16	19	17	9	5
2	6	4	1	1	1	1	1	3	5	3	2	2	3	7	9	7	9	12	15	23	15	9	10	5	6
3	6	2	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	10	4	11	10	5	6	3
4	8	4	3	4	5	2	2	5	7	12	9	5	4	3	2	2	2	2	3	3	1	0	0	1	4
5	1	1	1	0	0	0	0	0	1	1	1	1	1	1	0	0	1	0	0	1	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
8	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
9	1	1	1	1	0	0	0	0	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1
10	2	4	3	2	2	1	1	4	4	4	4	4	2	1	1	1	1	3	7	10	14	20	16	3	5
11	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	2	1	0	0	0	2	3	2	3	2	1	1	1	1	2	1	1	1	2	4	3	2
15	6	2	4	1	1	2	1	3	6	3	3	1	1	2	2	3	2	1	1	1	1	1	1	1	1
16	1	1	1	0	1	0	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	0	0	0	0	0	0	3	6	1	0	0	0	0	0	1	1	1	1	0	0	1
18	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	3	1	6	10	12	12	11	22	4
19	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	18	17	12	13	9	8	3	8	14	21	14	4	11	12	6	2	2	2	6	15	15	14	5	1	10
21	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	1	0	1	0	1	1	2	2	2	2	4	6	2	2	1	1
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	2	3	1	1	1	1	1	1	2	0	0	0	0	0	0	0	0	0
28	0	3	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	2	2	1	1	1	1	1	1	2	2	2	1	1	1	1	1	2	2	3	4	4	4	3	2	1.9

PERCENTAGE OF DATA VALID - 95.1

PERCENTAGE OF DATA INVALID - 4.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77016

ASH ST WATER TANK, SUDBURY

MONTH - MAR 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	2	2	1	0	0	0	1	1	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	1	0	0	0	0	1	3	4	3	2	****	1	1	1	1	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	2	5	7	2	5	6	4	****	1	1	1	1	1	1	0	1	1	1	1	1	1	2
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	1	1	1	1	2	1	1	1	0	0	0	0	1	2	0	0	0	0
26	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	7	5	4	3	1
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	1	1	1	1	****	0	0	1	1	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	1	0	0	0	0	0	2	3	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	1	1	1	1	1	1	****	2	3	2	2	3	2	2	2	1	1	1	1	1
MEAN	0	0	0	0	0	1	0	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	0.5

PERCENTAGE OF DATA VALID - 58.5

PERCENTAGE OF DATA INVALID - 41.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77016

ASH ST WATER TANK, SUDBURY

MONTH - APR 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	1	0	0	1	1	1	1	1	1	1	1	1	1	2	1	0	1	1	1	1	1	1
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	0
7	1	1	1	1	1	1	1	1	1	1	1	****	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	1	****	1	1	1	1	1	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	1	2	2	1	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13																									
14																									
15																									
16																									
17	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
18	1	1	2	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	2	2	7	2	1
19	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	1	1	1	1	1	0
22	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1
23	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	4	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	1	1	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	0.5

PERCENTAGE OF DATA VALID - 82.5

PERCENTAGE OF DATA INVALID - 17.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION																									
STATION - NE NO 77018 ASH ST WATER TANK. SUDBURY													MONTH - MAY 78																									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN													
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0													
2	0	0	1	1	1	0	1	0	1	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1													
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1													
4	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
5	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0													
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0													
8	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1													
9	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1													
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
11	0	0	0	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0													
12	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1													
13	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0													
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0													
16	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0													
18	0	0	0	0	1	1	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
19	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
23	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
24	- DATA INVALID -													- DATA INVALID -																								
25	- DATA INVALID -													- DATA INVALID -																								
26	- DATA INVALID -													- DATA INVALID -																								
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0													
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
31	- DATA INVALID -													- DATA INVALID -																								
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2													
PERCENTAGE OF DATA VALID - 85.2													PERCENTAGE OF DATA INVALID - 14.8													PERCENTAGE OF DATA UNAVAILABLE - 0.0												

PERCENTAGE OF DATA VALID - 85.2 PERCENTAGE OF DATA INVALID - 14.8 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. -\*- INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - NE NO 77016 ASH ST WATER TANK. SUDBURY													MONTH - JUN 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	4	0	1
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0
10	1	8	10	6	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 98.3 PERCENTAGE OF DATA INVALID - 3.8 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. -\*- INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77016 ASH ST WATER TANK, SUDBURY												MONTH - JUL 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	1	1	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	
3	2	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	
4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
12	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	1	1	1	0	0	1	1	0	1	
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18	0	0	0	0	2	2	1	0	0	1	1	1	0	0	1	1	0	1	1	1	1	0	1	0	
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
21	0	0	0	0	0	0	1	1	1	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	
22	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	1	
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24	4	4	0	0	0	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	1	4	6	4	
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
28	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	
31	0	2	1	0	1	1	2	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

PERCENTAGE OF DATA VALID - 97.8

PERCENTAGE OF DATA INVALID - 2.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - NE NO 77016 ASH ST WATER TANK, SUDBURY													MONTH - AUG 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	1	1	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	1	2	3	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	4	2	0	0	2	3	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3	2	3	3
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	3	2	1	1	0	1	2	4	2	1	0	0	0	0	0	0	1	0	0	1	2	4	5	5	1
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	2	1	1	0
28	0	0	0	0	0	0	0	1	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	1	0	0	0	0	0	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 98.3

PERCENTAGE OF DATA INVALID - 1.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2



		POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT										UNITS - 0.01 PARTS/MILLION														
		STATION - NE NO 77016										ASH ST WATER TANK. SUDBURY														
												MONTH - SEP 78														
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		0	0	0	0	0	1	4	5	3	1	***	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5		0	0	0	0	0	0	1	1	1	1	0	1	1	***	1	1	1	1	1	1	0	0	0	0	0
6		0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0
7		0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	1	1	1	1	2	3	3	1	2	1
8		1	1	1	0	0	1	3	6	3	2	***	1	0	0	0	0	0	0	0	0	0	0	1	0	1
9		0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	1	2	2	1	1	1	1	0	1
10		1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	1	1	1	0	1	2	1	1
11		0	0	0	0	0	1	1	2	5	2	4	3	2	1	0	0	0	0	0	0	0	0	0	0	1
12		0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	1	1	1	0	0	0	0
13		0	0	0	0	0	0	0	1	1	1	1	1	1	***	***	1	1	1	1	1	1	1	0	0	0
14		0	0	0	0	0	0	1	2	1	1	1	1	1	1	1	2	1	1	0	0	0	0	0	0	1
15		0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	6	11	6	3	1
17		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18		1	***	0	0	0	0	1	3	1	2	***	2	1	1	1	1	0	0	0	0	0	0	0	0	1
19		0	0	0	0	0	0	2	3	2	2	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
20		0	0	0	0	0	1	2	***	***	3	2	2	1	3	4	3	2	1	1	1	1	1	0	0	0
21		0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
22		0	0	0	0	0	0	1	3	1	1	***	1	0	0	0	0	0	1	1	1	1	0	1	0	1
23		0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
26		0	0	0	0	0	0	1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27		0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
28		1	1	1	1	1	1	1	1	2	1	1	1	0	0	0	0	0	1	1	0	1	1	1	1	1
29		0	0	0	0	0	0	0	0	1	3	***	1	0	1	0	1	2	3	2	1	1	1	1	1	1
30		1	1	0	0	0	0	1	1	1	2	3	3	3	3	1	2	2	1	2	2	1	1	1	0	1
MEAN		0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0.5

PERCENTAGE OF DATA VALID - 98.2      PERCENTAGE OF DATA INVALID - 1.8      PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																											
POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77016														ASH ST WATER TANK. SUDBURY													
MONTH - OCT 78																											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
2	0	0	0	0	0	0	1	5	4	2	1	1	***	***	1	1	1	1	1	0	0	0	0	0	0		
3	1	0	0	0	0	0	0	2	3	3	2	2	2	1	1	1	1	1	0	0	0	1	1	1	0		
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0			
5	0	0	0	0	0	1	3	7	3	3	2	2	1	2	3	0	0	0	0	0	0	0	0	0			
6	0	0	0	0	0	0	1	4	2	2	1	2	***	0	0	0	0	0	0	0	0	0	0	0			
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	3	2	1			
8	0	0	0	0	0	0	0	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0			
9	2	1	1	1	1	1	3	5	3	1	0	***	1	1	1	1	1	2	2	1	1	1	2	1			
10	0	0	0	0	0	1	3	5	3	1	0	***	1	1	1	1	1	2	2	1	1	1	2	1			
11	0	0	0	0	0	2	2	5	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0			
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
13	0	0	0	0	0	0	0	1	1	1	1	***	1	0	0	0	0	0	1	3	3	3	1	1			
14	1	1	0	0	0	0	0	0	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0			
15	1	1	1	1	1	2	1	2	1	1	1	0	0	0	0	0	0	0	1	1	1	1	2	1			
16	0	0	0	0	0	0	1	5	5	1	***	1	0	0	0	0	0	0	1	1	1	4	6	4			
17	2	1	0	0	0	0	0	1	6	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0			
18	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0			
19	0	0	0	0	0	0	1	3	***	***	***	3	3	3	3	3	4	3	2	1	1	1	0	0			
20	0	0	0	0	0	1	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
21	3	2	1	0	0	2	4	8	10	12	2	1	0	0	0	0	0	0	0	0	1	6	4	2			
22	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
24	0	0	0	0	0	1	2	5	5	2	2	2	3	1	1	0	0	0	0	0	0	0	0	0			
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0			
26	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
27	1	0	0	0	0	0	0	1	2	1	1	1	1	1	1	1	1	0	1	4	5	3	1				
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
29	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	2	3	2			
30	1	1	1	1	1	1	1	1	1	1	1	1	***	1	1	1	1	1	1	1	1	1	0	1			
31	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	1	0	1	1	2	2	1			
MEAN	0	0	0	0	0	0	1	2	2	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1			
													</														

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - NE NO 77016 ASH ST WATER TANK. SUDBURY													MONTH - NOV 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	1	0	0	0	0	0	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1	0	1	1	0	0	0	1	0	0	0
4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	1	1	2	1	1
9	0	0	0	0	0	0	0	1	2	1	2	1	0	0	0	0	1	1	1	1	1	1	1	1	0
10	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0
13	1	0	0	0	0	0	0	1	2	1	1	1	1	1	1	0	0	1	1	1	2	2	1	0	1
14	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
17	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	8	7	6	3	3	2	1
18	1	1	0	0	0	0	0	0	0	0	0	2	2	3	2	4	5	5	2	1	1	1	1	1	2
19	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	1	1	1	1	2	1	1	2	3	2	1	1	1	1	1	1	1	2	1	1	2	1	1	1	1
22	1	1	1	1	1	1	1	5	11	13	7	3	1	1	1	1	2	3	2	2	1	1	1	1	3
23	1	1	1	1	1	1	1	1	2	1	2	3	3	2	2	2	2	1	1	1	1	1	1	1	1
24	1	1	1	3	1	1	1	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0
28	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
29	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	4	15	12	4	1	1	2
MEAN	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	0	0.6

PERCENTAGE OF DATA VALID - 95.8

PERCENTAGE OF DATA INVALID - 4.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - NE NO 77016 ASH ST WATER TANK. SUDBURY													MONTH - DEC 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	1	1	1	0	0	0	0	0	1
2	1	1	2	3	8	3	0	1	1	0	0	0	0	0	0	0	1	1	2	2	3	4	4	2	2
3	4	4	2	1	1	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	1	1	1
4	1	1	1	1	1	1	1	3	3	1	1	1	DATA INVALID												
5																									
6																									
7	0	1	7	9	7	7	9	11	15	11	5	3	3	2	2	1	2	1	1	1	1	1	1	1	4
8	0	0	0	0	0	0	7	1	1	0	0	0	0	0	0	0	3	7	11	6	3	2	2	3	2
9	2	1	2	0	1	0	0	1	2	2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	1	2	3	0	0	1	1	1	1	4	4	2	3	1	2	2	1	1
12	0	0	0	0	0	0	0	0	0	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1
13	0	0	0	1	0	1	0	1	2	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	4	6	3	3	3	2	4	4	3	2	2	2	2	1	2	1	1	2
15	1	2	4	1	1	1	1	3	12	17	11	0	5	5	2	2	1	1	0	0	0	0	0	0	3
16	0	0	0	0	0	0	0	1	1	2	7	9	3	2	2	3	2	2	2	3	2	1	1	0	2
17	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	1	0	1	1	1	1	1	2	0	0	0	0	0	0	0	0	0	0
20	1	1	0	0	0	0	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	5	1	1	1	1	1	1	1	1	3	3	2	2	2	2	5	8	2
22	3	2	1	1	1	1	1	2	3	3	6	0	5	2	2	1	1	1	1	1	1	1	0	1	2
23	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	18	2
24	11	2	1	1	1	1	1	1	0	0	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	2	5	2	1	0	0	0	0	1
27	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	0	0	0	0	1	3	3	2	1	1	1	1	2	6	11	16	15	17	19	13	12	8	6
29	7	8	3	3	7	4	1	2	3	0	2	2	2	2	2	2	2	2	1	1	1	1	1	1	2
30	1	1	1	1	1	1	1	1	1	2	2	3	2	3	2	2	2	2	2	1	1	2	2	2	2
31	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
MEAN	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	2	2	2	2	1	1	1	2	1.4

PERCENTAGE OF DATA VALID - 91.8

PERCENTAGE OF DATA INVALID - 8.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77016 ASH ST WATER TANK, SUDBURY

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.5	6	27
FEB	27	1.9	10	23
MAR	18	0.5	2	7
APR	24	0.5	1	7
MAY	26	0.2	1	2
JUN	29	0.1	1	10
JUL	31	0.2	1	6
AUG	31	0.2	1	5
SEP	30	0.5	1	11
OCT	31	0.7	3	12
NOV	29	0.6	3	15
DEC	28	1.4	6	19
YEAR	335	0.7	10	27

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77016 ASH ST WATER TANK, SUDBURY

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	688	24	13	6	0	0	0	731
FEB	580	29	27	3	0	0	0	639
MAR	432	3	0	0	0	0	0	435
APR	593	1	0	0	0	0	0	594
MAY	634	0	0	0	0	0	0	634
JUN	690	3	0	0	0	0	0	693
JUL	727	1	0	0	0	0	0	728
AUG	731	0	0	0	0	0	0	731
SEP	703	3	1	0	0	0	0	707
OCT	726	6	1	0	0	0	0	733
NOV	680	6	4	0	0	0	0	690
DEC	648	19	16	0	0	0	0	683
YEAR	7832	95	62	9	0	0	0	7998

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
91.3	0	0.0	0.0	0.0	0.2	1.0	2.2	5.2	9.2	27	0.7

19 132  
8005

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\*9693600020207\*